

The logo for Rekortan, featuring the word "Rekortan" in a bold, white, sans-serif font with a registered trademark symbol, set against a dark grey background with a fine grid pattern.The logo for APT (Athletic Performance Technology) featuring three interlocking white hexagons above the letters "APT" in a bold, white, sans-serif font. Below this, the phrase "POWERED BY SPEED." is written in a white, italicized, sans-serif font. The background is a close-up of a red synthetic track surface with white lane markings.

## **SYNTHETIC TRACK SURFACING- REKORTAN® G-13 FULL POUR WITH AN ENCAPSULATED FINISH SPECIFICATION**

### **PART 1- GENERAL**

#### **1.01 SUMMARY**

- A. The contract work to be performed under this section consists of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for, the surfacing in accordance with these specifications and indicated on the drawings.
  - 1. Rekortan G-13 – A 2-layer, 13mm impermeable full pour track system. It consists of a renewable gel polyurethane base layer and a flood and chip coat of polyurethane and embedded EPDM rubber granules with an aliphatic encapsulating top coat. The minimum depth of the system shall be 13mm with the depth of the top-wearing layer a minimum of 4mm.

#### **1.02 CODES AND STANDARDS**

- A. Codes and standards follow the current guidelines set forth by the International Associations of Athletics Federations (IAAF), the National Collegiate Athletic Association (NCAA) or the National Federation of State High School Associations (NFHS).

#### **1.03 SUBMITTALS AND SUBSTITUTIONS**

- A. Request for deviations or substitutions from the specifications must be made in writing seven days prior to the bid date. Complete product data including specifications, application rates, mixing instructions and a sample shall be sent with the request to the district and/or its agent for an evaluation. Alternatives will be allowed only by addendum.
  - 1. Submit three (3) sets of manufacturer's product data sheets including installation guidelines and maintenance guidelines.

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2. Submit three (3) representative track samples in the color of surfacing to be installed.
3. Submit Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all individual components of the product being installed.
4. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).

#### 1.04 QUALITY ASSURANCE

- A. The track surface installer shall be authorized by APT (Manufacturer) and possess a minimum of ten (10) years' experience of installing the specified system.
- B. The supervisor, of the installing company, must have ten (10) years' experience in surfacing with the specified polyurethane system. A letter of certification must accompany the bid proposal.
- C. The supervisor, of the installing company, must have installed a minimum of ten (10) IAAF track system, within the last three years. A letter of certification from the manufacturer must accompany the bid proposal.
- D. The manufacturer (APT) must offer a minimum of four (4) IAAF approved track systems.
- E. All material components must be procured and manufactured from APT, a single source. No substitutes allowed.
- F. All polyurethanes used must be manufactured by APT an ISO 9001 and ISO 14001 Certified Company. Manufacturer's ISO 9001 and ISO 14001 certificate must accompany bid.**

#### 1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not begin if rain is imminent, if gusting winds are occurring or when the threat of freezing exists within 24 hours.



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- B. Site: During any surfacing and striping, sprinkler systems must be shut off or controlled so that no water falls on the track or event area surfaces. Other trades and school district personnel must stay off the wet or curing surface.
- C. Only mix and apply when meeting manufactures recommended guidelines.
- D. The General Contractor shall provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.

## **1.06 WARRANTY**

- A. Provide manufacturers standard five (5) year warranty

## **PART 2- PRODUCTS**

### **2.01 SUPPLIER**

- A. Advanced Polymer Technology  
109 Conica Lane / PO Box 160  
Harmony, PA 16037  
724-452-1330

### **2.02 MATERIALS**

- A. Rekortan® G-13 Running Track Surface: A two layer, full pour track surface, consisting of a 9mm base layer of Qualipur renewable gel polyurethane, and a 4mm layer of Qualipur self-leveling polyurethane with an embedded EPDM broadcast rubber that is encapsulated with a two component Qualipur aliphatic.

Materials include:

1. Qualipur Primer (if required)
2. SBR Spray Rubber
3. Two Component Qualipur Renewable Polyurethane
4. Two Component Qualipur Polyurethane
5. Melos EPDM Rubber
6. Two Component Qualipur Aliphatic



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## **PART 3- EXECUTION**

### **3.01 EXAMINATION**

- A. The General Contractor shall verify that all asphalt / concrete paving meets all dimensional accuracy, strength, and compaction. Notify owner of any deficiencies. Recommended compaction of asphalt and sub base is 95%.
- B. The General Contractor shall verify that all concrete work meets all required tolerances. Notify owner of any deficiencies.
- C. Upon completion of paving, it is the responsibility of the paving contractor to water flood the surface with the use of a water truck. If after 30 minutes on a 70° F day, 'bird bathes' are evident in a depth more than 1/8" the paving contractor, track surfacing contractor and the owner's representative will determine the best method of correction.
- D. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign residue. It is the responsibility of the General Contractor to ensure that the surface is thoroughly clean in all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track surface.
- E. Minimum curing time, prior to beginning of surfacing, is 14 days for new asphalt paving and 28 days for new concrete. No concrete curing compounds are allowed.
- F. Beginning installation stipulates track installer "accepts" existing conditions. Adhesion to the existing surface is the surfacing contractor's responsibility.

### **3.02 PRODUCT AND MATERIAL DESCRIPTION**

- A. Rekortan® G-13, is a 2-layer, 13 mm, impermeable full pour system. The first application is a 9mm self-leveling, force reduction layer of polyurethane that is approximately 76% renewable. The final layer has a self-leveling full-pour, flood and chip topcoat of polyurethane that is embedded EPDM broadcast rubber granules with an encapsulated top.



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- B. Rubber (Black SBR Spray): The rubber in the base layer shall be specifically graded Styrene Butadiene Rubber (SBR). SBR is to be dried to no less than 2.5% moisture and sealed in bags.
- C. Colored Rubber (.5-1.5mm EPDM): Must be Melos rubber. Unless specified, black rubber is not allowed in the wearing course. Color: Red unless otherwise specified.
- D. Full Pour Polyurethane: The full pour polyurethanes shall be a renewable, gel polyurethane compound and a full pour top layer, with no solvents or fillers added. The specified products are Qualipur 5052 (A&B) in the base layer and Qualipur 5050 (A&B) in the top layer.
- E. Aliphatic Coating: Qualipur 6510, a pigmented two component aliphatic elastomeric top coating.

### 3.03 APPLICATIONS PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease or any other residue upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the general contractor.
- B. If needed prime entire surface area with a compatible Qualipur polyurethane primer. Mask and protect adjacent structures as required. After primer has become tack free, but no longer than 24 hours, apply base layer. The consumption rate is 0.29 lbs/sy (0.16 kgs/sm).
- C. Base Layer: After primer and/or any detail applications have cured to tack-free, but no longer than 24 hours, mix Qualipur 5052 (A&B) resin, add 20% spray rubber to mixture, blend until thoroughly mixed, and apply using a notched trowel or squeegee. Do not overwork material; this can cause excessive trapped air. Before the base resin sets, blow onto the surface a fine layer of black SBR rubber, to create a texture. The consumption rate of the Qualipur 5052 is 11.43 lbs/sy (6.21 kg/sm). The consumption of the rubber is 2.82 lbs/sy (1.53 kg/sm).



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- D. Broadcast Layer: After base layer has cured, but no longer than 24 hours. Mix the Qualipur 5050 coating and apply using a notched trowel or squeegee, to achieve an even wet coat. The consumption rate of the Qualipur 5050 is 5.51 lbs/sy (2.99 kgs/sm). Broadcast to excess with .5-1.5mm colored EPDM granules, using a flat shovel or machine spreader ensuring all of the coating is covered. The consumption rate for the EPDM granules is 7.72 lbs/sy (4.19 kgs/sm).
- E. Allow broadcast layer to cure, and reclaim all excess rubber by means of a mechanical sweeper.
- F. Encapsulate Topcoat: After broadcast layer has cured, apply two coats of the Qualipur 6510 aliphatic top coating, using specialized spray equipment. Apply at a total consumption of 1.12 lbs/sy (0.61 kgs/sm). After initial cure of first coat, apply the second coat in an opposite direction as to the first. Allow top coating to cure before application of striping.

### 3.04 STRIPING

- A. All line marking paint shall be compatible and approved for the synthetic surfacing. Only an experienced track-striping specialist shall perform the line striping.

**END OF SPECIFICATION – REKORTAN® G-13**

Rev 2 WB/GT 08/17/15



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## **SYNTHETIC TRACK SURFACING- REKORTAN® G-13 FULL POUR SPECIFICATION**

### **PART 1- GENERAL**

#### **1.01 SUMMARY**

- A. The contract work to be performed under this section consists of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for, the surfacing in accordance with these specifications and indicated on the drawings.
  - 1. Rekortan® G-13 – A 2-layer, 13mm impermeable full pour track system. It consists of a renewable gel polyurethane base layer and a flood and chip top coat of polyurethane and embedded EPDM rubber granules. The minimum depth of the system shall be 13mm with the depth of the top-wearing layer a minimum of 4mm.

#### **1.02 CODES AND STANDARDS**

- A. Codes and standards follow the current guidelines set forth by the International Associations of Athletics Federations (IAAF), the National Collegiate Athletic Association (NCAA) or the National Federation of State High School Associations (NFHS).

#### **1.03 SUBMITTALS AND SUBSTITUTIONS**

- A. Request for deviations or substitutions from the specifications must be made in writing seven days prior to the bid date. Complete product data including specifications, application rates, mixing instructions and a sample shall be sent with the request to the district and/or its agent for an evaluation. Alternatives will be allowed only by addendum.
  - 1. Submit three (3) sets of manufacturer's product data sheets including installation guidelines and maintenance guidelines.
  - 2. Submit three (3) representative track samples in the color of surfacing to be installed.
  - 3. Submit Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all individual components of the product being installed.

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4. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).

#### 1.04 QUALITY ASSURANCE

- A. The track surface installer shall be authorized by APT (Manufacturer) and possess a minimum of ten (10) years' experience of installing the specified system.
- B. The supervisor, of the installing company, must have ten (10) years' experience in surfacing with the specified polyurethane system. A letter of certification must accompany the bid proposal.
- C. The supervisor, of the installing company, must have installed a minimum of ten (10) IAAF track system, within the last three years. A letter of certification from the manufacturer must accompany the bid proposal.
- D. The manufacturer (APT) must offer a minimum of four (4) IAAF approved track systems.
- E. All material components must be procured and manufactured from APT, a single source. No substitutes allowed.
- F. All polyurethanes used must be manufactured by APT an ISO 9001 and ISO 14001 Certified Company. Manufacturer's ISO 9001 and ISO 14001 certificate must accompany bid.**

#### 1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not begin if rain is imminent, if gusting winds are occurring or when the threat of freezing exists within 24 hours.
- B. Site: During any surfacing and striping, sprinkler systems must be shut off or controlled so that no water falls on the track or event area surfaces. Other trades and school district personnel must stay off the wet or curing surface.
- C. Only mix and apply when meeting manufactures recommended guidelines.



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- D. The General Contractor shall provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.

## 1.06 WARRANTY

- A. Provide manufacturers standard five (5) year warranty.

## PART 2- PRODUCTS

### 2.01 SUPPLIER

- A. Advanced Polymer Technology  
109 Conica Lane / PO Box 160  
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### 2.02 MATERIALS

- A. Rekortan® G-13 Running Track Surface: A two layer, full pour track surface, consisting of a 9mm base layer of Qualipur renewable gel polyurethane, and a 4mm top layer of Qualipur self-leveling polyurethane with an embedded EPDM broadcast rubber finish.

Materials include:

1. Qualipur Primer
2. SBR Spray Rubber
3. Two Component Qualipur Renewable Polyurethane
4. Two Component Qualipur Polyurethane
5. Melos EPDM Broadcast Rubber

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## **PART 3- EXECUTION**

### **3.01 EXAMINATION**

- A. The General Contractor shall verify that all asphalt / concrete paving meets all dimensional accuracy, strength, and compaction. Notify owner of any deficiencies. Recommended compaction of asphalt and sub base is 95%.
- B. The General Contractor shall verify that all concrete work meets all required tolerances. Notify owner of any deficiencies.
- C. Upon completion of paving, it is the responsibility of the paving contractor to water flood the surface with the use of a water truck. If after 30 minutes on a 70° F day, 'bird bathes' are evident in a depth more than 1/8" the paving contractor, track surfacing contractor and the owner's representative will determine the best method of correction.
- D. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign residue. It is the responsibility of the General Contractor to ensure that the surface is thoroughly clean in all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track surface.
- E. Minimum curing time, prior to beginning of surfacing, is 14 days for new asphalt paving and 28 days for new concrete. No concrete curing compounds are allowed.
- F. Beginning installation stipulates track installer "accepts" existing conditions. Adhesion to the existing surface is the surfacing contractor's responsibility.

### **3.02 PRODUCT AND MATERIAL DESCRIPTION**

- A. Rekortan® G-13, is a 2-layer, 13 mm, impermeable full pour system. The first application is a 9mm self-leveling, force reduction layer of polyurethane that is approximately 76% renewable. The final layer has a self-leveling full-pour, flood and chip topcoat of polyurethane that is embedded EPDM broadcast rubber granules.



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- B. Rubber (Black SBR Spray): The rubber in the base layer shall be specifically graded Styrene Butadiene Rubber (SBR). SBR is to be dried to no less than 2.5% moisture and sealed in bags.
- C. Colored Rubber (EPDM Broadcast): Must be Melos rubber. Unless specified, black rubber is not allowed in the wearing course. Color: Red unless otherwise specified.
- D. Full Pour Polyurethane: The full pour polyurethanes shall be a renewable, gel polyurethane compound and a full pour top layer, with no solvents or fillers added. The specified products are Qualipur 5052 (A&B) in the base layer and Qualipur 5050 (A&B) in the top layer.

### 3.03 APPLICATIONS PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease or any other residue upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the general contractor.
- B. Prime entire surface area with a compatible Qualipur polyurethane primer. Mask and protect adjacent structures as required. After primer has become tack free, but no longer than 24 hours, apply base layer. The consumption rate is 0.29 lbs/sy (0.16 kgs/sm).
- C. Base Layer: After primer and/or any detail applications have cured to tack-free, but no longer than 24 hours, mix Qualipur 5052 (A&B) resin, add 20% spray rubber to mixture, blend until thoroughly mixed, and apply using a notched trowel or squeegee. Do not overwork material; this can cause excessive trapped air. The consumption rate of the Qualipur 5052 is 11.43 lbs/sy (6.21 kg/sm). The consumption of the rubber is 2.82 lbs/sy (1.53 kg/sm).  
Before base resin layer sets, blow onto the surface a fine layer of black SBR rubber, to create a texture. This texture will help support traffic on the surface, help keep the exposed resin from contamination, and help adhesion of the top layer. Approx. consumption of the rubber is 0.5-0.67 lbs/sy.

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- D. Top Layer: After base layer has cured, but no longer than 24 hours. Mix the Qualipur 5050 (A&B) coating and apply using a notched trowel or squeegee, to achieve an even wet coat. The consumption rate of the Qualipur 5050 is 5.51 lbs/sy (2.99 kgs/sm). Broadcast to excess with 1-4mm colored EPDM granules, using a flat shovel or machine spreader ensuring all of the coating is covered. The consumption rate for the EPDM granules is 7.72 lbs/sy (4.19 kgs/sm).
- E. Allow top layer to cure, and reclaim all excess rubber by means of a mechanical sweeper.

### 3.04 STRIPING

- A. All line marking paint shall be compatible and approved for the synthetic surfacing. Only an experienced track-striping specialist shall perform the line striping.

**END OF SPECIFICATION – REKORTAN® G-13**

Rev 4 GT 06/17/14



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## **SYNTHETIC TRACK SURFACING- REKORTAN® G-10 Fast Track - FULL POUR WITH AN ENCAPSULATED FINISH SPECIFICATION**

### **PART 1- GENERAL**

#### **1.01 SUMMARY**

- A. The contract work to be performed under this section consists of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for, the surfacing in accordance with these specifications and indicated on the drawings.
  - 1. Rekortan G-10 Fast Track – A 2-layer, 10mm impermeable full pour track system. It consists of a renewable gel polyurethane base layer and a flood and chip coat of polyurethane and embedded EPDM rubber granules with an aliphatic encapsulating top coat. The minimum depth of the system shall be 10mm with the depth of the top-wearing layer a minimum of 4mm.

#### **1.02 CODES AND STANDARDS**

- A. Codes and standards follow the current guidelines set forth by the International Associations of Athletics Federations (IAAF), the National Collegiate Athletic Association (NCAA) or the National Federation of State High School Associations (NFHS).

#### **1.03 SUBMITTALS AND SUBSTITUTIONS**

- A. Request for deviations or substitutions from the specifications must be made in writing seven days prior to the bid date. Complete product data including specifications, application rates, mixing instructions and a sample shall be sent with the request to the district and/or its agent for an evaluation. Alternatives will be allowed only by addendum.
  - 1. Submit three (3) sets of manufacturer's product data sheets including installation guidelines and maintenance guidelines.

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2. Submit three (3) representative track samples in the color of surfacing to be installed.
3. Submit Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all individual components of the product being installed.
4. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).

#### 1.04 QUALITY ASSURANCE

- A. The track surface installer shall be authorized by APT (Manufacturer) and possess a minimum of ten (10) years' experience of installing the specified system.
- B. The supervisor, of the installing company, must have ten (10) years' experience in surfacing with the specified polyurethane system. A letter of certification must accompany the bid proposal.
- C. The supervisor, of the installing company, must have installed a minimum of ten (10) IAAF track system, within the last three years. A letter of certification from the manufacturer must accompany the bid proposal.
- D. The manufacturer (APT) must offer a minimum of four (4) IAAF approved track systems.
- E. All material components must be procured and manufactured from APT, a single source. No substitutes allowed.
- F. All polyurethanes used must be manufactured by APT an ISO 9001 and ISO 14001 Certified Company. Manufacturer's ISO 9001 and ISO 14001 certificate must accompany bid.**

#### 1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not begin if rain is imminent, if gusting winds are occurring or when the threat of freezing exists within 24 hours.



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- B. Site: During any surfacing and striping, sprinkler systems must be shut off or controlled so that no water falls on the track or event area surfaces. Other trades and school district personnel must stay off the wet or curing surface.
- C. Only mix and apply when meeting manufactures recommended guidelines.
- D. The General Contractor shall provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.

## **1.06 WARRANTY**

- A. Provide manufacturers standard five (5) year warranty

## **PART 2- PRODUCTS**

### **2.01 SUPPLIER**

- A. Advanced Polymer Technology  
109 Conica Lane / PO Box 160  
Harmony, PA 16037  
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### **2.02 MATERIALS**

- A. Rekortan® G-10 Fast Track Running Track Surface: A two layer, full pour track surface, consisting of a 6 mm base layer of Qualipur renewable gel polyurethane, and a 4mm layer of Qualipur self-leveling polyurethane with an embedded EPDM rubber that is encapsulated with a two component Qualipur aliphatic.

Materials include:

1. Qualipur Primer (if required)
2. SBR Spray Rubber
3. Two Component Qualipur Renewable Polyurethane
4. Two Component Qualipur Polyurethane
5. Melos EPDM Rubber
6. Two Component Qualipur Aliphatic



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## **PART 3- EXECUTION**

### **3.01 EXAMINATION**

- A. The General Contractor shall verify that all asphalt / concrete paving meets all dimensional accuracy, strength, and compaction. Notify owner of any deficiencies. Recommended compaction of asphalt and sub base is 95%.
- B. The General Contractor shall verify that all concrete work meets all required tolerances. Notify owner of any deficiencies.
- C. Upon completion of paving, it is the responsibility of the paving contractor to water flood the surface with the use of a water truck. If after 30 minutes on a 70° F day, 'bird bathes' are evident in a depth more than 1/8" the paving contractor, track surfacing contractor and the owner's representative will determine the best method of correction.
- D. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign residue. It is the responsibility of the General Contractor to ensure that the surface is thoroughly clean in all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track surface.
- E. Minimum curing time, prior to beginning of surfacing, is 14 days for new asphalt paving and 28 days for new concrete. No concrete curing compounds are allowed.
- F. Beginning installation stipulates track installer "accepts" existing conditions. Adhesion to the existing surface is the surfacing contractor's responsibility.

### **3.02 PRODUCT AND MATERIAL DESCRIPTION**

- A. Rekortan® G-10 Fast Track, is a 2-layer, 10 mm, impermeable full pour system. The first application is a 6 mm self-leveling, force reduction layer of polyurethane that is approximately 76% renewable. The final layer has a self-leveling full-pour, flood and chip topcoat of polyurethane that is embedded EPDM rubber granules with an encapsulated top.



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- B. Rubber (Black SBR Spray): The rubber in the base layer shall be specifically graded Styrene Butadiene Rubber (SBR). SBR is to be dried to no less than 2.5% moisture and sealed in bags.
- C. Colored Rubber (EPDM): Must be Melos rubber. Unless specified, black rubber is not allowed in the wearing course. Color: Red unless otherwise specified.
- D. Full Pour Polyurethane: The full pour polyurethanes shall be a renewable, gel polyurethane compound and a full pour top layer, with no solvents or fillers added. The specified products are Qualipur 5052 (A&B) in the base layer and Qualipur 5050 (A&B) in the top layer.
- E. Aliphatic Coating: Qualipur 6510, a pigmented two component aliphatic elastomeric top coating.

### 3.03 APPLICATIONS PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease or any other residue upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the general contractor.
- B. If needed prime entire surface area with a compatible Qualipur polyurethane primer. Mask and protect adjacent structures as required. After primer has become tack free, but no longer than 24 hours, apply base layer. The consumption rate is 0.29 lbs/sy (0.16 kgs/sm).
- C. Base Layer: After primer and/or any detail applications have cured to tack-free, but no longer than 24 hours, mix Qualipur 5052 (A&B) resin, add 20% spray rubber to mixture, blend until thoroughly mixed, and apply using a notched trowel or squeegee. Do not overwork material; this can cause excessive trapped air. Before the base resin sets, blow onto the surface a fine layer of black SBR rubber, to create a texture. The consumption rate of the Qualipur 5052 is 7.63 lbs/sy (4.14 kg/sm). The consumption of the rubber is 1.88 lbs/sy (1.02 kg/sm).
- D. Broadcast Layer: After base layer has cured, but no longer than 24 hours. Mix the Qualipur 5050 coating and apply using a notched trowel or squeegee, to achieve an even wet coat. The consumption rate of the Qualipur 5050 is 5.51 lbs/sy (2.99 kgs/sm). Broadcast to excess with .5-2.0 mm colored EPDM granules, using a flat shovel or machine spreader ensuring all of the coating



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is covered. The consumption rate for the EPDM granules is 8.8 lbs/sy (4.82 kgs/sm).

- E. Allow broadcast layer to cure, and reclaim all excess rubber by means of a mechanical sweeper.
- F. Encapsulate Topcoat: After broadcast layer has cured, apply two coats of the Qualipur 6510 aliphatic top coating, using specialized spray equipment. Apply at a total consumption of 1.12 lbs/sy (0.61 kgs/sm). After initial cure of first coat, apply the second coat in an opposite direction as to the first. Allow top coating to cure before application of striping.

### **3.04 STRIPING**

- A. All line marking paint shall be compatible and approved for the synthetic surfacing. Only an experienced track-striping specialist shall perform the line striping.

**END OF SPECIFICATION – REKORTAN® G-10 Fast Track**

Rev 1 GT 05/15/14



**APT**

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## **SYNTHETIC TRACK SURFACING- REKORTAN® G-10 FULL POUR SPECIFICATION**

### **PART 1- GENERAL**

#### **1.01 SUMMARY**

- A. The contract work to be performed under this section consists of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for the surfacing in accordance with these specifications and indicated on the drawings.
1. Rekortan® G-10 – Is a 2-layer, 10mm, impermeable full pour system. The base layer consists of a self-leveling PU made from environmentally friendly, renewable resources. The top layer is a 4 mm flood and chip topcoat of polyurethane and embedded EPDM rubber. The minimum depth of the system shall be 10mm with the depth of the top-wearing layer a minimum of 4mm.

#### **1.02 CODES AND STANDARDS**

- A. Codes and standards follow the current guidelines set forth by the International Associations of Athletics Federations (IAAF), the National Collegiate Athletic Association (NCAA) or the National Federation of State High School Associations (NFHS).

#### **1.03 SUBMITTALS AND SUBSTITUTIONS**

- A. Request for deviations or substitutions from the specifications must be made in writing seven days prior to the bid date. Complete product data including specifications, application rates, mixing instructions and a sample shall be sent with the request to the district and/or its agent for an evaluation. Alternatives will be allowed only by addendum.
1. Submit three (3) sets of manufacturer's product data sheets including installation guidelines and maintenance guidelines.
  2. Submit three (3) representative track samples in the color of surfacing to be installed.
  3. Submit Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all individual components of the product being installed.

- 
4. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).

#### 1.04 QUALITY ASSURANCE

- A. The track surfacing installer shall be authorized by APT (Manufacturer) and possess a minimum of ten (10) years' experience of installing the specified system.
- B. The supervisor of the installing company must have ten (10) years' experience in surfacing with the specified polyurethane system. A letter of certification must accompany the bid proposal.
- C. The manufacturer (APT) must offer a minimum of four (4) IAAF approved track systems.
- D. All material components must be procured and manufactured from APT, a single source manufacturer. No substitutes allowed.
- E. All polyurethanes used must be manufactured by APT, an ISO 9001 and ISO 14001 Certified Company. Manufacturer's ISO 9001 and ISO 14001 certificate must accompany bid.**

#### 1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not begin if rain is imminent, if gusting winds are occurring or when the threat of freezing exists within 24 hours.
- B. Site: During any surfacing and striping, sprinkler systems must be shut off or controlled so that no water falls on the track or event area surfaces. Other trades and school district personnel must stay off the wet or curing surface.
- C. Only mix and apply when meeting manufactures recommended guidelines.
- D. The General Contractor shall provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.



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## 1.06 WARRANTY

- A. Provide manufacturers standard five (5) year warranty.

## PART 2- PRODUCTS

### 2.01 SUPPLIER

- A. Advanced Polymer Technology  
109 Conica Lane / PO Box 160  
Harmony, PA 16037  
724-452-1330

### 2.02 MATERIALS

- A. Rekortan® G-10 Synthetic Track Surface: A 10mm, poured-in-place track system, bound with Qualipur renewable polyurethanes with an embedded EPDM broadcast rubber.

Materials include:

1. Qualipur Polyurethane Primer (if required)
2. SBR Spray Rubber
3. Two Component Qualipur Renewable Polyurethane
4. Two Component Qualipur Polyurethane
5. Melos EPDM Broadcast Rubber

## PART 3- EXECUTION

### 3.01 EXAMINATION

- A. The General Contractor shall verify that all asphalt / concrete paving meets all dimensional accuracy, strength, and compaction. Notify owner of any deficiencies. Recommended compaction of asphalt and sub base is 95%.



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- B. The General Contractor shall verify that all concrete work meets all required tolerances. Notify owner of any deficiencies.
- C. Upon completion of paving, it is the responsibility of the paving contractor to water flood the surface with the use of a water truck. If after 30 minutes on a 70° F day, 'bird bathes' are evident in a depth more than 1/8" the paving contractor, track surfacing contractor and the owner's representative will determine the best method of correction.
- D. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign residue. It is the responsibility of the General Contractor to ensure that the surface is thoroughly clean in all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track surface.
- E. Minimum curing time, prior to beginning of surfacing, is 14 days for new asphalt paving and 28 days for new concrete. No concrete curing compounds are allowed.
- F. Beginning installation stipulates track installer "accepts" existing conditions. Adhesion to the existing surface is the surfacing contractor's responsibility.

### 3.02 PRODUCT AND MATERIAL DESCRIPTION

- A. Rekortan® G-10 is a 2-layer, 10 mm, impermeable full pour system. The base layer consists of a self-leveling PU made from environmentally friendly, renewable resources. The top layer is a 4mm flood and chip topcoat of polyurethane and embedded EPDM rubber granules.
- B. Rubber (Black SBR Spray Rubber): The rubber in the base layer shall be specifically graded Styrene Butadiene Rubber (SBR). SBR is to be dried to no less than 2.5% moisture and sealed in bags.
- C. Colored Rubber (EPDM Broadcast): Must be Melos rubber. Unless specified, black rubber is not allowed in the wearing course. Color: Red unless otherwise specified.



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- D. Full Pour Polyurethane: The 2 layers of Qualipur polyurethane shall be made of a two-component Qualipur polyurethane with no solvents or fillers added. The specified products are Qualipur 5052 (A&B) in the base force reduction layer, and Qualipur 5050 (A&B) for the top layer.

### 3.03 APPLICATIONS PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease or any other residue upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the general contractor.
- B. If needed prime entire surface area with a compatible Qualipur polyurethane primer. Mask and protect adjacent structures as required. After primer has become tack free, but no longer than 24 hours, apply base layer. The consumption rate is 0.29 lbs/sy (0.16 kgs/sm).
- C. Base Layer: Mix Qualipur 5052 (A&B), add 20% spray rubber to mixture, blend until thoroughly mixed, and apply using a notched trowel or squeegee. Do not overwork material; this can cause excessive trapped air. The consumption rate of the Qualipur 5052 is 7.62 lbs/sy (4.14 kgs/sm). The consumption of the spray rubber is 1.88 lbs/sy (1.02 kgs/sm). Before base resin layer sets, blow onto the surface a fine layer of black SBR rubber, to create a texture. This texture will help support traffic on the surface, help keep the exposed resin from contamination, and help adhesion of the top layer. Approx. consumption of the rubber is 0.5-0.67 lbs/sy.
- D. Top Layer: After the base layer has cured, but no longer than 24 hours, mix the Qualipur 5050 (A&B) coating and apply using a notched trowel or squeegee, to achieve an even wet coat. The consumption rate of the Qualipur 5050 is 5.51 lbs/sy (2.99 kgs/sm). Broadcast to excess with 1-4mm colored EPDM granules, using a flat shovel or machine spreader ensuing all of the coating is covered. The consumption rate for the EPDM granules is 7.72 lbs/sy (4.19 kgs/sm).
- E. Allow top layer to cure, and reclaim all excess rubber by means of a mechanical sweeper.



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### 3.04 STRIPING

- A. All line marking paint shall be approved and compatible with the synthetic surfacing. Only an experienced track-stripping specialist shall perform the line striping.

**END OF SPECIFICATION – REKORTAN® G-10**

Rev 3 GT 06/06/14



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## **SYNTHETIC TRACK SURFACING- REKORTAN<sup>®</sup> R10 FULL POUR SPECIFICATION**

### **PART 1- GENERAL**

#### **1.01 SUMMARY**

- A. The contract work to be performed under this section consist of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for, the surfacing in accordance with these specifications and indicated on the drawings.
  - 1. Rekortan<sup>®</sup> R10 Full Pour- A 2-layer, 10mm impermeable full pour track system. It consists of a self-leveling base coat, and a flood and chip top coat of polyurethane and embedded EPDM rubber granules. The minimum depth of the system shall be 10mm with the depth of the top-wearing layer a minimum of 5mm.

#### **1.02 CODES AND STANDARDS**

- A. Codes and standards follow the current guidelines set forth by the International Associations of Athletics Federations (IAAF), the National Collegiate Athletic Association (NCAA) and the National Federation of State High School Associations (NFHS).

#### **1.03 SUBMITTALS AND SUBSTITUTIONS**

- A. Request for deviations or substitutions from the specifications must be made in writing seven days prior to the bid date. Complete product data including specifications, application rates, mixing instructions and a sample shall be sent with the request to the District and/or its agent for an evaluation. Alternatives will be allowed only by addendum.
  - 1. Submit three (3) sets of manufacturer's product data sheets including installation guidelines and maintenance guidelines.
  - 2. Submit three (3) representative track samples in the color of surfacing to be installed.

REKORTAN

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3. Submit Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all individual components of the product being installed
4. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).

#### 1.04 QUALITY ASSURANCE

- A. The track surfacing installer shall be authorized by APT and possess a minimum of ten (10) years' experience installing the specified system.
- B. The supervisor of the installing company must have ten (10) years' experience in surfacing with the specified polyurethane system. A letter of certification must accompany the bid proposal.
- C. The manufacturer (APT) must represent a minimum of four (4) IAAF track systems.
- D. All material components must be procured and manufactured from APT, a single source. No substitutes allowed.
- E. All polyurethanes used must be manufactured by APT an ISO 9001 and ISO 14001 Certified Company. Manufacturer's ISO 9001 and ISO 14001 Certificate must accompany bid.**

#### 1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not begin if rain is imminent, if gusting winds are occurring or when the threat of freezing exists within 24 hours.
- B. Site: During any surfacing and striping, sprinkler systems must be shut off or controlled so that no water falls on the track or event area surfaces. Other trades and school district personnel must stay off the wet or curing surface.
- C. Only mix and apply when meeting manufactures recommended guidelines.



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- D. The General Contractor shall provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.

## **1.06 WARRANTY**

- A. Provide manufacturers standard five (5) year warranty

## **PART 2- PRODUCTS**

### **2.01 SUPPLIER**

- A. Advanced Polymer Technology/Manufacturer  
109 Conica Lane / PO BOX 160  
Harmony, PA 16037  
724-452-1330

### **2.02 MATERIALS**

- A. Rekortan® R10 Track Surface: Full pour, layered Qualipur polyurethane bound track surface with an embedded EPDM broadcast rubber finish.

Materials include:

1. Qualipur Primer
2. SBR Broadcast Rubber
3. Two-Component Qualipur Polyurethane
4. Melos colored EPDM Broadcast Rubber

## **PART 3- EXECUTION**

### **3.01 EXAMINATION**

- A. The General Contractor shall verify that all asphalt / concrete paving meets all dimensional accuracy, strength, and surface preparation. Notify owner of any deficiencies. Recommended compaction of asphalt and sub base is 95%.



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- B. The General Contractor shall verify that all concrete work meets all required tolerances. Notify owner of any deficiencies.
- C. Upon Completion of paving, it is the responsibility of the paving contractor to water flood the surface with the use of a water truck. If after 30 minutes on a 70° F day, 'bird bathes' are evident in a depth more than 1/8" the paving contractor, track surfacing contractor and the owner's representative will determine the best method of correction.
- D. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign residue. It is the responsibility of the General Contractor to ensure that the surface is thoroughly clean in all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track.
- E. Minimum curing time for base prior to beginning of surfacing is 14 days for new asphalt paving and 28 days for new concrete. No concrete curing compounds are allowed.
- F. Beginning installation stipulates track installer "accepts" existing conditions. Adhesion to the existing asphalt is the surfacing contractor's responsibility.

### 3.02 PRODUCT AND MATERIAL DESCRIPTION

- A. Rekortan® R10 is a 2-layer, 10 mm, impermeable full pour system, consisting of a base layer with SBR rubber, and a flood and chip topcoat of Qualipur polyurethane and embedded EPDM broadcast rubber granules.
- B. Rubber (Black SBR Broadcast): The rubber in the base layer shall be specifically graded Styrene Butadiene Rubber (SBR). SBR is to be dried to no less than 2.5% moisture and sealed in bags.
- C. Colored Rubber (EPDM Broadcast): Must be Melos rubber. Unless specified black rubber is not allowed in the wearing course. Color: Red unless otherwise specified.



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- D. Full Pour Polyurethane: The 2 layers of full pour polyurethane shall be made of a two-component Qualipur polyurethane compounded with no solvents or fillers added. The specified products are Qualipur 5050 (A & B) in the base and top layers.

### 3.03 APPLICATIONS PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease or any other matter upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the general contractor.
- B. Prime entire surface area with a compatible Qualipur polyurethane primer. Mask and protect adjacent structures, as required. Primer shall dry to a tack free condition, but no longer than 24 hours, before the application of the base layer. The consumption rate is 0.29 lbs/sy (0.16 kgs/sm).
- C. Base Layer: After the primer and/or any detail applications have cured to tack-free, but no longer than 24 hours, apply the mixed Qualipur 5050 coating, using a notched trowel or squeegee to achieve an even wet look. Do not overwork the material this can cause excessive trapped air. The consumption rate the of Qualipur 5050 is 6.64 lbs/sy (3.60 kgs/sm). Broadcast to excess with Black SBR rubber, using a flat shovel or machine spreader ensuring all of the coating is covered. The consumption rate for the SBR rubber is 9.22 lbs/sy (5.00 kgs/sm).
- D. Top Layer: After the base layer has cured, but not longer than 24 hours, remove any rubber that is not bonded to the coating using a sweeper and/or vacuum/blower. Mix the Qualipur 5050 coating and apply using a notched trowel or squeegee, to achieve an even wet coat. The consumption rate for Qualipur 5050 is 6.64 lbs/sy (3.60 kgs/sm). Broadcast to excess with 1-4mm colored EPDM granules, using a flat shovel or machine spreader ensuring all of the coating is covered. The consumption rate for the EPDM granules is 9.22 lbs/sy (5.00 kgs/sm).
- E. Allow top layer to cure, and reclaim all excess rubber by means of a mechanical sweeper.



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### 3.04 STRIPING

- A. All line marking paint is to be compatible and approved for the synthetic surfacing. Only an experienced track striping specialist shall perform the striping.

**END OF SPECIFICATION - REKORTAN® R10**

Rev 2 GT 06/17/14



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The logo for Rekortan, featuring the word "Rekortan" in a bold, white, sans-serif font with a registered trademark symbol, set against a dark, textured background.The logo for APT, featuring three interlocking hexagons above the letters "APT" in a bold, white, sans-serif font. Below this is the tagline "POWERED BY SPEED." in a bold, white, italicized, sans-serif font. The background is a red, textured surface, possibly a track, with a white line.

## **SYNTHETIC TRACK SURFACING- REKORTAN® M99 FULL POUR SPECIFICATION**

### **PART 1- GENERAL**

#### **1.01 SUMMARY**

- A. The contract work to be performed under this section consists of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for, the surfacing in accordance with these specifications and indicated on the drawings.

Rekortan® M99 Full Pour- A 3-layer, 15mm, impermeable full pour track system. It consists of a self-leveling base coat, a unique central force-reduction middle layer, and a flood and chip top coat of polyurethane and embedded EPDM rubber granules. The minimum depth of the system shall be 15mm with the depth of the top-wearing layer a minimum of 4mm.

#### **1.02 CODES AND STANDARDS**

- A. Codes and standards follow the current guidelines set forth by the International Associations of Athletics Federations (IAAF), the National Collegiate Athletic Association (NCAA) or the National Federation of State High School Associations (NFHS).

#### **1.03 SUBMITTALS AND SUBSTITUTIONS**

- A. Request for deviations or substitutions from the specifications must be made in writing seven days prior to the bid date. Complete product data including specifications, application rates, mixing instructions and a sample shall be sent with the request to the district and/or its agent for an evaluation. Alternatives will be allowed only by addendum.
  1. Submit three (3) sets of manufacturer's product data sheets including installation guidelines and maintenance guidelines.
  2. Submit three (3) representative track samples in the color of surfacing to be installed.

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3. Submit Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all individual components of the product being installed.
4. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).

#### 1.04 QUALITY ASSURANCE

- A. The track surface installer shall be authorized by APT (Manufacturer) and possess a minimum of ten (10) years' experience installing the specified system.
- B. The supervisor of the installing company must have ten (10) years' experience in surfacing with the specified polyurethane system. A letter of certification must accompany the bid proposal.
- C. The supervisor, of the installing company, must have installed a minimum of ten (10) IAAF certified track systems, within the last three (3) years. A letter of certification from the manufacturer must accompany the bid proposal.
- D. The manufacturer (APT) must represent a minimum of four (4) IAAF track systems.
- E. All material components must be procured and manufactured from APT, a single source. No substitutions allowed.
- F. **All polyurethanes used must be manufactured by APT an ISO 9001 and ISO14001 Certified Company. Manufacturer's ISO 9001 and ISO 14001 certificate must accompany bid.**

#### 1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not begin if rain is imminent, if gusting winds are occurring or when the threat of freezing exists within 24 hours.
- B. Site: During any surfacing and striping, sprinkler systems must be shut off or controlled so that no water falls on the track or event area surfaces. Other trades and school district personnel must stay off the wet or curing surface.



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- C. Only mix and apply when meeting manufactures recommended guidelines.
- D. The General Contractor shall provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.

## **1.06 WARRANTY**

- A. Provide manufacturers standard five (5) year warranty.

## **PART 2- PRODUCTS**

### **2.01 SUPPLIER**

- A. Advanced Polymer Technology/Manufacturer  
109 Conica Lane / PO Box 160  
Harmony, PA 16037  
724-452-1330

### **2.02 MATERIALS**

- A. Rekortan® M-99 Running Track Surface: Full pour layered Qualipur polyurethane bound track surface with an embedded EPDM broadcast rubber finish.

Materials include:

1. Qualipur Primer
2. SBR Broadcast Rubber
3. Two Component Qualipur Polyurethanes (5050/5050SA)
4. Melos colored EPDM Broadcast Rubber

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## **PART 3- EXECUTION**

### **3.01 EXAMINATION**

- A. The General Contractor shall verify that all asphalt / concrete paving meets all dimensional accuracy, strength, and compaction. Notify owner of any deficiencies. Recommended compaction of asphalt and sub base is 95%.
- B. The General Contractor shall verify that all concrete work meets all required tolerances. Notify owner of any deficiencies.
- C. Upon Completion of paving, it is the responsibility of the paving contractor to water flood the surface with the use of a water truck. If after 30 minutes on a 70° F day, 'bird bathes' are evident in a depth more than 1/8" the paving contractor, track surfacing contractor and the owner's representative will determine the best method of correction.
- D. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign residue. It is the responsibility of the General Contractor to ensure that the surface is thoroughly clean in all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track surface.
- E. Minimum curing time for base prior to beginning of surfacing is 14 days for new asphalt paving and 28 days for new concrete. No concrete curing compounds are allowed.
- F. Beginning installation stipulates track installer "accepts" existing conditions. Adhesion to the existing surface is the surfacing contractor's responsibility.

### **3.02 PRODUCT AND MATERIAL DESCRIPTION**

- A. Rekortan® M99 is a 3-layer, 15 mm, impermeable full pour system. It consists of a self-leveling flood coat, a unique central force-reduction middle layer, and a flood and chip topcoat of Qualipur polyurethane and embedded EPDM broadcast rubber granules.
- B. Rubber (Black SBR Broadcast): The rubber in the bottom and middle layers shall be specifically graded Styrene Butadiene Rubber (SBR). SBR is to be dried to no less than 2.5% moisture and sealed in bags.



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- C. Colored Rubber (EPDM Broadcast): Must be Melos rubber. Unless specified, black rubber is not allowed in the wearing course. Color: Red unless otherwise specified.
- D. Full Pour Polyurethane: The 3 layers of Qualipur polyurethane shall be made of a two-component Qualipur polyurethane with no solvents or fillers added. The specified products are Qualipur 5050 (A&B) in the base and top layers and Qualipur 5050-SA (A&B) in the middle force reduction layer layer.

### 3.03 APPLICATIONS PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease or any other residue upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the general contractor.
- B. Prime entire surface area with a compatible Qualipur polyurethane primer. Mask and protect adjacent structures, as required. Primer shall dry to a tack-free condition, but no longer than 24 hours, for application of the base layer. The consumption rate is 0.29 lbs/sy (0.16 kgs/sm).
- C. Base Layer: After the primer and/or any detail applications have cured to tack-free, but no longer than 24 hours, apply the mixed Qualipur 5050 coating, using a notched trowel or squeegee to achieve an even wet look. Do not overwork the material this can cause excessive trapped air. The consumption rate for the Qualipur 5050 is 3.69 lbs/sy (2.00 kgs/sm). Broadcast to excess with Black SBR rubber, using a flat shovel or machine spreader ensuring all of the coating is covered. The consumption rate for the SBR rubber is 7.01 lbs/sy (3.80 kgs/sm).
- D. Force reduction layer: After the base layer has cured or is tack-free but no longer than 24 hours, reclaim excess rubber. Mix the Qualipur 5050 SA and apply using a notched trowel or squeegee, to achieve an even wet coat. The consumption rate for Qualipur 5050 SA is 5.51 lbs/sy (2.99 kgs/sm). Broadcast to excess with Black SBR rubber, using a flat shovel or machine spreader ensuring all of the coating is covered. The consumption rate for the SBR rubber is 7.01 lbs/sy (3.80 kgs/sm).

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- E. Top Layer: After the force reduction layer has cured or is tack-free but no longer than 24 hours, remove any rubber that is not bonded to the coating using a sweeper and/or vacuum/blower. Mix the Qualipur 5050 coating and apply using a notched trowel or squeegee, to achieve an even wet coat. The consumption rate of the Qualipur 5050 is 5.51 lbs/sy (2.99 kgs/sm). Broadcast to excess colored EPDM granules, using a flat shovel or machine spreader ensuring all of the coating is covered. The consumption rate for the EPDM granules is 7.72 lbs/sy (4.19 kgs/sm).
- F. Allow top layer to cure, and reclaim all excess rubber by means of a mechanical sweeper.

### 3.04 STRIPING

- A. All line marking paint shall be compatible and approved for the synthetic surfacing. Only an experienced track striping specialist shall perform the line striping.

**END OF SPECIFICATION – REKORTAN® M-99**

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Web: [sportsbyapt.com](http://sportsbyapt.com)

The logo for Rekortan, featuring the word "Rekortan" in a bold, white, sans-serif font with a registered trademark symbol, set against a dark grey background with a fine grid pattern.The logo for APT (Athletic Performance Technology) featuring three interlocking hexagons above the letters "APT" in a bold, white, sans-serif font. Below this, the phrase "POWERED BY SPEED." is written in a bold, italicized, white, sans-serif font. The background is a close-up of a red synthetic track surface with white lane markings.

## SYNTHETIC TRACK SURFACING- REKORTAN® RESURFACE SPECIFICATION

### PART 1- GENERAL

#### 1.01 SUMMARY

- A. The contract work to be performed under this section consists of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for the track resurfacing in accordance with these specifications and indicated on the drawings.

Rekortan® ReSurface –A Polyurethane bound, impermeable running track recap surface with a broadcast EPDM rubber granules. Minimum depth of the resurface shall be 5 mm.

#### 1.02 CODES AND STANDARDS

- A. Codes and standards follow the current guidelines set forth by the International Associations of Athletics Federations (IAAF), the National Collegiate Athletic Association (NCAA) or the National Federation of State High School Associations (NFHS).

#### 1.03 SUBMITTALS AND SUBSTITUTIONS

- A. Request for deviations or substitutions from the specifications must be made in writing seven days prior to the bid date. Complete product data including specifications, application rates, mixing instructions and a sample shall be sent with the request to the district and/or its agent for an evaluation. Alternatives will be allowed only by addendum.
  1. Submit three (3) sets of manufacturer's product data sheets including installation guidelines and maintenance guidelines.
  2. Submit three (3) representative track samples in the color of surfacing to be installed.
  3. Submit Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all individual components of the product being installed.

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4. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).

#### 1.04 QUALITY ASSURANCE

- A. The track surface installer shall be authorized by APT (Manufacturer) and possess a minimum of ten (10) years' experience installing the specified system.
- B. An installer authorized by APT will apply the track surface. The contractor shall have a current contractor's license, as well as a current sales tax and use tax number if applicable.
- C. Successful contractor will provide proof of insurance as well as performance and payment bonds if required.
- D. **All polyurethanes used must be manufactured by APT an ISO 9001 and ISO14001 Certified Company. Manufacturer's ISO 9001 and ISO 14001 certificate must accompany bid.**

#### 1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not be done when the threat of freezing exists for the following 24 hours, rain is imminent or gusting winds are occurring.
- B. Site: During any surfacing and striping, sprinkler systems must be shut off or controlled so that no water falls on the track or event area surfaces. Other trades and school district personnel must stay off the wet or curing surface.
- C. Do not apply rubberized topping when base surface temperature is less than 50° F.
- D. Only mix and apply when meeting manufactures recommended guidelines.
- E. The General Contractor shall provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.



#### APT

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## 1.06 WARRANTY

- A. Provide manufacturers standard five (5) year warranty.

## PART 2- PRODUCTS

### 2.01 SUPPLIER

- A. Advanced Polymer Technology  
109 Conica Lane; PO Box 160  
Harmony, PA 16037  
724-452-1330

### 2.02 MATERIALS

- A. Rekortan® ReSurface - Running Track Resurfacing: Full pour layer Qualipur polyurethane bound poured-in-place track resurfacing with an EPDM rubber embedded broadcast finish.

Materials include:

1. Qualipur Polyurethane primer
2. Two Component Qualipur Polyurethane
3. Melos EPDM Broadcast Rubber

## PART 3- EXECUTION

### 3.01 EXAMINATION

- A. Verify existing track surface for dimensional stability, strength, and surface integrity. Notify owner of any deficiencies.
- B. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign residue. It is the responsibility of the General Contractor to ensure that the surface is thoroughly clean in all areas as necessary to ensure adhesion of the track surface.



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- C. Beginning installation stipulates track installer “accepts” existing conditions. Adhesion to the existing track surface is the surfacing contractor’s responsibility.

### 3.02 PRODUCT AND MATERIAL DESCRIPTION

- A. Rekortan® ReSurface is a 5 mm, impermeable full pour system. It consists of a fluid-applied topcoat of Qualipur polyurethane and embedded EPDM rubber granules.
- B. Colored Rubber (EPDM Broadcast): Must be Melos rubber. Unless specified, black rubber is not allowed in the wearing course. Color: Red unless otherwise specified.
- C. Full Pour Polyurethane: The resurfacing of full pour polyurethane shall be made of a two-component Qualipur polyurethane with no solvents or fillers added. The specified products are Qualipur 5050 (A & B) in the re-top layer.

### 3.03 APPLICATIONS PROCEDURES

- A. The entire track surface shall be clean and free of dirt, oil, grease or any other matter upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the general contractor.
- B. Prime entire existing track surface with Qualipur 1230 at an approximate rate of 0.29 lbs./sq. (0.16 kgs/sq).
- C. Resurfacing Layer: After the primer has cured to tack free, but no longer than 24 hours, apply the final coat of mixed Qualipur 5050 coating, using a notched trowel or squeegee to achieve an even wet look. Do not overwork the material this can cause excessive trapped air. The consumption rate for the Qualipur 5050 is 6.64 lbs./sq (3.60 kgs/sq). Broadcast to excess with 1-4mm colored EPDM granules, using a flat shovel or machine spreader ensuring all of the coating is covered. The consumption rate for the EPDM granules is 9.22 lbs./sq (5.00 kgs/sq).

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- D. Allow top layer to cure, and reclaim all excess rubber by means of a mechanical sweeper.

### 3.04 STRIPING

- A. All line marking paint shall be compatible and approved for the synthetic surfacing. Only an experienced track striping specialist shall perform the line striping.

**END OF SPECIFICATION – REKORTAN® RESURFACE**

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