



Rekortan® G-13 Fast Track Installation Guidelines

Advanced Polymer Technology has prepared this installation guide to aid in the construction of the Rekortan® G-13 Fast Track World Athletics certified system. Any references to consumptions are approximate, due to variations in site conditions and application techniques. Before starting work, the applicator must become familiar with the existing site conditions and all product procedures.

1. Surface Preparation

Prior to application, the existing surface must be thoroughly clean, sound, dry, and free of oils and other contaminants. Inspect the substrate thoroughly, to determine that it meets the requirements for surfacing. Repair any and all defects to substrate before starting installation.

For applications over asphalt, the asphalt shall cure a minimum of 14 days. For applications over concrete, the concrete shall cure a minimum of 28 days. Test for moisture before any installation. Surface shall meet the RH (Relative Humidity) standard level of dryness of 75% RH or less. If concrete substrate tests over 75% RH, the concrete should be shot blasted and a moisture mitigation must be applied.

All concrete and asphalt surfaces shall be primed if required.

2. Materials and Description

Rekortan® G-13 Fast Track – Is a 2-layer, dual durometer, 13mm, impermeable full pour track system. It consists of a renewable gel polyurethane base layer and a fluid applied, self-leveling full pour polyurethane top coat with a dense matrix of EPDM rubber granules and an aliphatic top coat. The minimum depth of the system shall be 13 mm with the depth of the top-wearing layer a minimum of 4mm.

Primer

Rubber – Graded to meet specifications

Rekortan® two component, renewable gel full pour polyurethane

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Manufacturer Approved EPDM Rubber – .5-1.5mm or .5-2mm

One component, low VOC, aliphatic coating

3. Application

After Surface preparation and inspection:

Apply proper primer (concrete or asphalt) to substrate via spray or roller, at the rate of approx. 0.29 lbs/sy (0.16 kg/sm), do not puddle. Mask and protect adjacent structures as required. Allow primer to dry to a tack free condition prior to beginning next application. Do not allow primed surface to become contaminated by rain, dust, debris, etc.

Note: Rekortan® resins do not come proportioned; the A & B components must be properly weighed and mixed. Mix only the amount of resin that can be properly handled, transported and applied within the pot life limitations.

Mix Ratio A: B by weight of the total mix of Qualipur 5052 (A:B) 1:1.19 (USA mix ratio)

Base Layer –After the primer and/ or detail applications have cured to tack-free, mix Qualipur 5052 (A&B) resin and 20% spray rubber with an in-line mixer, or mix Qualipur 5052 (A&B) resin with drill and paddle for one minute, add 20% rubber, mix for one minute, transfer to another container and mix for one minute. Transport mixture to the track area, pour onto the surface, and spread with a Swedish knife. Meter material to meet the consumption rate of 14.25 lbs/sy (7.71 kg/sm) comprising of 11.43 lbs/sy (6.21 kg/sm)

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of Qualipur- 5052 and 2.82 lbs/sy (1.53 kg/sm) of rubber. Do not overwork the mixture; this can cause excessive trapped air.

Before base resin layer sets, blow onto the surface a fine layer of black rubber, to create a texture. Approx. consumption of the rubber is 0.5-0.67 lbs/sy.

Note: After each layer has cured, it is recommended that a depth check is made to confirm minimum thickness levels have been achieved, make adjustments as necessary to meet requirements.

Mix Ratio A:B by weight of the total mix of Qualipur 5050 (A: B) 2.27: 1 (USA mix ratio)

Top Layer – Allow the base gel layer to cure then mix the Rekortan® 5050, full pour top layer resin, as stated above (A&B), for a minimum of two minutes, transfer to another container, and mix again for 1 minute, transport to the track area, pour onto the surface, and spread with a notched trowel or squeegee. Meter the material to meet consumption rate of 5.51 lbs/sy (2.99 kgs/sm). Allow resin to self-level then broadcast to excess colored EPDM rubber, use flat shovels or machine spreader to completely cover all resin. Apply rubber at approx. 7.72 lbs/sy (4.19 kgs/sm). Top layer shall meet minimum thickness of 4mm. Allow top layer to cure, and then remove all excess EPDM rubber.

Aliphatic Top Coating – After top layer has properly cured and all excess rubber has been removed, apply two coats of the Rekortan® 6200 aliphatic coating, using specialized spray equipment. Apply at a total consumption of 1.12 lbs/sy (0.61kg/sm). After initial cure of the first coat, apply the second coat in an opposite direction as to the first. Allow top coating to cure before application of striping.

COVERAGES – Actual coverages are dependent on many factors relative to the field application and job site conditions, the installer must assess these conditions prior to ordering materials. Allowances must be made for waste in mixing, pouring, and field conditions.

LIMITATIONS

- ~ Do not apply over damp surfaces or wet substrates
- ~ Do not apply to surfaces that don't meet acceptable standards
- ~ Minimum application and curing temperatures, 50 F and rising for the full pour and 60 F and rising for the full pour gel applications
- ~ Maximum substrate temperature, 104 F
- ~ Maximum moisture content in substrate, less than 75%RH
- ~ Substrate temperature must be a minimum of 4 degrees above the dew point
- ~ Do not apply during inclement weather or when it is anticipated. If in the opinion of the synthetic surfacing contractor, the weather or site conditions are detrimental to the proper installation of the surfacing materials, work shall be delayed until conditions are acceptable.

ADVANCED POLYMER TECHNOLOGY CORPORATION believes that the information herein to be true, accurate and reliable.