



Rekortan® M Installation Guidelines

Advanced Polymer Technology has prepared this installation guide to aid in the construction of the Rekortan® M track 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.

It is recommended all concrete and asphalt surfaces be primed.

2. Materials and Description

Rekortan® M – An impermeable, synthetic surfacing system that shall be an average depth 14mm thick, consisting of a paved mat, sealed off, with a top layer of polyurethane and rubber granules.

Primer

Rubber – Graded to meet specifications

Rekortan® Binder: The binder shall be moisture-cured polyurethane, compatible with the basemat rubber.

Rekortan® two component full pour resin

Manufacture Approved EPDM Powder Rubber – Graded to meet specifications

Manufacture Approved EPDM Broadcast Rubber – Graded to meet specifications

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. Allow primer to cure before continuing surfacing.

After the primer has become tack-free, but no longer than 24 hours, apply the following mixture (by weight) at an average thickness of 10mm:

Mix the binder and granules until the rubber is thoroughly coated. Using 14.94 lbs/sy (8.11 kgs/sm) of SBR rubber and 3.52 lbs/sy (1.91 kgs/sm) of Rekortan® binder. The mixed products shall then be applied using a specially designed paver at the consumption rate of approx. 18.46 lbs/sy (10.02 kgs/sm). Thickness shall be monitored regularly to ensure proper coverage.

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.

After basemat has cured but no longer than 24 hours, mix the two component Rekortan® resin and EPDM powder into a thixotropic mixture and applied to the basemat by means of spreading the material with a rubber squeegee to seal off the mat. The consumption rate of the two component Rekortan® resin is 2.19

Rekortan®

lbs/sq (1.19 kgs/sm) and the EPDM powder is 1.00 lbs/sy (0.54 kgs/sm). The two component Rekortan® resin mix ratio is 2.27 :1 (A:B) by weight.

Note: The 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

After seal coat has cured but no longer than 24 hours, The mix ratio of the Rekortan® two component full pour resin is 2.27: 1, A : B, by weight. Mix the Rekortan® top layer resin 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.

COVERAGES – Actual coverage's 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
- ~ 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.