

Partial Repairs Regupol® AG Running Track Surfaces

Regupol® AG track surfaces are very durable and resistant to wear and tear. However, after heavy, constant use over a long period of time, the wear coat can start showing signs of wear in the high stress- and other areas that are being used at higher frequencies than others.

The areas that are affected first are commonly the inside lanes of the circuit, the runways of the long-/triple jump, the high jump aprons, the runways for pole vault and javelin as well as the starts and relay zones. While slightly visible signs of wear are tolerable throughout a reasonable timeframe, the wear coat should be repaired and patched in these areas latest when the Regupol® base pad is visible. To ensure that the shock pad is not exposed to spike use to an extraordinary extent, the following procedures should be followed:

1) Repair works should be carried out either by:

- BSW staff, or
- By a specialized contractor who is familiar with such treatment, or
- By local maintenance staff that has been trained by BSW technical staff in the use of Polyurethane liquids and EPDM granules

2) Removing worn out wear coat

- Damaged wear coat material must be ground or sanded off down to the Regupol® mat. Grinding can be managed with a circular grinder, using a 60/80 grid sand paper. For larger areas, the use of a larger mechanical grinding device is advisable.

3) Cleaning of surface/edge detail

- Remove all loose particles and dust from surface.
- Cut wear coat edges to a rectangular shape.
- Tape off and protect surrounding areas with masking tape and plastic sheet.
- Before applying PU seal coat the surface must be dry and free of dust, debris, oil and other substances.

4) Application of PU seal coat

- Mix sufficient amount of Regupur® PU seal coat per manufacturer's instructions (coverage about 0,5 kg/m²). Pour seal coating material into cavity and distribute with straight steel trowel. Make sure that all pores in the Regupol® mat are fully sealed and that no ridges of PU material are dominant. Create perfectly flat and sealed section!

TRACKS - MAINTENANCE AND REPAIRS

- Protect area from the environment and let PU cure for about 8 hrs. at 20° C. Lower temperatures shall extend, higher temperatures shall reduce curing time. Seal coat shall be covered with PU wear coat while still *sticky*. In case seal coat is cured for too long and does not show any stickiness anymore before wear coat can be applied, it must be slightly sanded with sandpaper 80 grid.

5) Application of PU wear coat and EPDM granules

- Mix sufficient amount of Regupur® PU wear coat per manufacturer's instructions (coverage about 2,1 kg/m²). Pour seal coating material into cavity and carefully distribute with a notched trowel until area is fully covered and edges to surrounding areas are cleanly covered. Surface of wet, self-levelling PU should end abt. 1,5 mm below surrounding granule surface.

6) Application of EPDM granules

- Broadcast sufficient amount of EPDM granules into wet PU wear coat. Make sure EPDM is vertically applied and overfilled by minimum 3 – 5 mm.
- Make sure area remains untouched and protected from the environment until PU is cured. Curing time: Pls. refer to § 4).
- Remove excess EPDM granules after PU wear coat is fully cured.

