

UreGlue 100

Description:

UreGlue 100 is a **single component, aromatic polyurethane based adhesive** recommended as glue for shredded or crumbed rubbers. UreGlue 100 is a high strength, flexible, polyurethane binder with excellent adhesion to most commonly available shredded or crumbed rubbers of EPDM or SBR.

UreGlue 100, along with primer, pore sealer, self levelling and top coat, is used for sports floors which are low-maintenance, high performance solutions to your athletic needs.

Application Areas:

UreGlue 100 is found suitable for manufacture of shredded or crumbed rubber underlays and mats for use in the following application areas:

- Athletic tracks.
- Hockey fields.
- Door mats.
- Volley Ball courts.
- Tennis Courts
- High resiliency carpet underlay.
- Pool surrounds.

Features:

- Versatile for a variety of sports.
- Very high wear resistance.
- Easy to maintain and clean.
- Ultimate traction characteristics.
- Excellent resilience.

Underlays made with UreGlue 100 will discolour with exposure to UV light and hence need to be protected by use of sealer coats and aliphatic top coats

Typical physical properties

Appearance	Clear to cloudy liquid
Specific gravity, gm /cc	1.05 ± 0.02
Viscosity, poise	30 - 35 ps
Full cure	48 hrs.

Application instruction:

- PU Sports system can be installed over concrete or asphalt. New concrete should be allowed to cure minimum 28 days and asphalt should be allowed to cure for at least 4-6 weeks before the UreGlue 100 / rubber mix is applied. Apply moisture curing urethane (FB 303) over the entire area to be surfaced at a rate of 4-5 sq.m. per litre. Allow 2-3 hours to cure.
- The coloured rubber granules and UreGlue 100 are blended together in a suitable mechanical mixer for a period of 2-3 minutes to ensure proper coating of all rubber granules with the binder. The blended materials are then spread on to the surface by means of a leveller. The mechanical tandem leveller shall have oscillating screed bar to obtain both smoothness and compaction. Normally PU sport system is installed at a compacted thickness of around 12-20 mm. The system is allowed to cure for a minimum of 48 hours. Pore sealer, self levelling and top coat are then applied over the underlay. Binder / rubber mixture composition is around 20 : 80. However, this ratio will alter depending on the size of the crumbed or shredded rubbers.