RUGONAL

RUGONAL
ADHESIVE BINDER

Premium Adhesive Binder

Strong Bonding • Flexible • Weather Resistant • Solvent Free



PRODUCT DESCRIPTION

Rugonal Adhesive Binder is a premium MDI-based polyurethane adhesive designed to securely bind EPDM rubber granules for wet-pour sports and playground surfacing. It delivers outstanding bonding strength flexibility, weather resistance, and long-lasting performance.

BENEFITS

HIGH BOND STRENGTH
Excellent adhesion to EPDM granules for strong and durable surfaces

SOLVENT FREE
Environmentally friendly and safe for users

WEATHER RESISTANT
Performs well in all climates and outdoor conditions

EXCELLENT FLEXIBILITY
Provides elastic and resilient surface

HIGH VISCOSITY
High viscosity for better bonding and stability

STRONG ADHESION
Superior bonding strength for long lasting performance

EASY APPLICATION
Easy to mix and apply for efficient construction

ENVIRONMENTAL FRIENDLY
Low odor, green and safe for the environment

IDEAL FOR

- Playground
- Running Track
- Athletic Track
- Gym Flooring
- Kindergarten
- Sports Court
- Outdoor Recreation Area

- One-Component, Ready to Use
- Excellent Bonding with EPDM Granules
- High Performance for Sports & Playground Surfaces
- Ideal for Wet-Pour EPDM Flooring Systems

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PRODUCT INFORMATION

Rugonal Adhesive Binder

TECHNICAL DATA

PROPERTY	SPECIFICATION
Product Type	One Component PU Adhesive
Base	MDI Based
Appearance	Colourless / Light Yellow
Viscosity (cP)	4500 – 5500
NCO Content (%)	5.5
Bond Strength (Casted EPDM)	0.5 – 0.6 MPa
Tensile Strength (MPa)	6.0
Elongation (%)	120

* Values are typical and may vary slightly depending on temperature, humidity, and construction conditions.

SAFETY INFORMATION (MSDS SUMMARY)

- Use protective gloves and eye protection during application.
- Avoid direct skin contact and inhalation of vapour.
- Ensure good ventilation during use.
- Keep container tightly closed when not in use.
- Store in a cool, dry and well-ventilated area.
- Keep away from heat, sparks and open flames.
- For more detailed information, please refer to the full MSDS document.

APPLICATION

- PLAYGROUND
- RUNNING TRACK
- ATHLETIC TRACK
- GYM FLOORING
- SCHOOL
- KINDERGARTEN
- SPORTS COURT
- OUTDOOR RECREATION AREA

COMPOSITION & SIZE

COMPOSITION



Polyether Polyol

+

Isocyanate (MDI)

+

Auxiliaries

SIZE



20 kg



200 kg

KEY BENEFITS

SUPERIOR BONDING
Excellent adhesion with EPDM granules for long lasting performance.

STRONG FLEXIBILITY
Provides elastic and resilient surface.

WEATHER RESISTANCE
Outstanding resistance to UV, aging and all weather conditions.

SOLVENT FREE
Solvent free formula, safer and more environmental.

LONG WORKING TIME
Extended pot life for convenient installation.

FAST CURING
Initial cure in 24–48 hours depending on conditions.

EASY CONSTRUCTION
Easy to mix and apply, suitable for various surface systems.

DURABLE PERFORMANCE
High strength and durability for sports & playground surfaces.

PRECAUTIONS

- Products to avoid contact with strong acid and strong alkaline items.
- Please use in time after opening the can.
- Store in a dry and ventilated place. Keep out of direct sunlight and away from heat and water source.
- Open containers must be capped immediately after drawing-off the materials.

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