



ATLAS ADHESIVES

1009 R Pu Binder

Technical Data Sheet

DESCRIPTION

It is Moisture Curing Single Component, Solvent free, Aromatic Polyurethane Binder which can be used by Pouring and mixing. When properly formulated, it is suitable for applications such as bonding of EPDM and SBR Rubber Granules for **Athletic Fields, Running Tracks and Children Playgrounds**

TECHNICAL SPECIFICATIONS

S. No	Properties	Result
1.)	Component	Single Component Polyurethane
2.)	Colour	Clear Transparent
3.)	Density	1.08 kg / Ltr
4.)	Viscosity	2500-4000 cps (at 25°C)
5.)	NCO Content	10.0±1.0%
6.)	Pot Life	45-60 Minutes (at 25°C, 50% Humidity)
7.)	Initial Cure Time	12-24 Hours (Trafficable)
8.)	Final Cure Time	2 Days (Full Chemical & Mechanical Cure)
9.)	Suggested Dosage	12-15% Depending on the Application
10.)	Application Temperature	10°C to 40°C
11.)	Tensile Strength	>10 N/mm ² (MPa)
12.)	Packaging	50 kg / 220 kg Metal Drums



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Application

- Children's Play Areas
- Athletic & Jogging Tracks
- Multi-Purpose Sports Courts
- Public Parks & Recreational Spaces
- Anti-Slip Swimming Pool Decks

Features and Advantages

- **Superior Elongation:** High flexibility to withstand surface movement without cracking.
- **Enhanced Bonding Strength:** Engineered for excellent adhesion between the substrate and rubber granules.
- **All-Weather Water Resistance:** Provides a durable, moisture-proof seal.
- **User-Friendly Application:** Single-component, ready-to-use formula requiring no on-site mixing.
- **100% Solids & Solvent-Free:** Eco-friendly composition with zero VOCs and maximum coverage.

Application Method

Surface : There should be no water, oil, dirt, dust, etc. on the concrete before application.

- Stir **Neosol® Binder** drum thoroughly before use.
- Exercise caution when opening the drum to release air pressure slowly.
- Open only one cap at a time.
- Slowly and gradually tilt the drum to pour the required quantity into a bucket. *(A drum stand is recommended for extracting the binder)*
- Transfer **Neosol® Binder** into the Tub / Machine / Floor.
- Allow **Neosol® Binder** to mix with rubber crumbs for at least 10 minutes.
- Spread evenly according to your specific requirement.
- **Neosol® Binder** has a shelf life of 6 months from the Date of Manufacturing.

Safety

Wear chemical-resistant gloves and eye protection during application. Always ensure the area is well ventilated. Keep container tightly sealed when not in use. Please consult SDS for safety information.

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