

PRODUCT DESCRIPTION

SL-8076 is a moisture cure, single component polyurethane binder. It is designed for track and field and playground applications. The SL-8076 is based on premium quality aliphatic polyurethane prepolymer for excellent U.V. stability.

PRODUCT FEATURES

- Solvent Free
- High elongation
- Shock absorption
- Easy to apply and easy to repair
- Superb U.V. and weathering resistance
- Can be used with rubber granulate (SBR & EPDM)
- Available in many colors
- Ecological, uses re-milled rubber waste
- Good adhesion on rubber and pvc

TYPICAL USES

- Safety Playgrounds
- Synthetic surfaces
- Running Track
- Sport facilities
- Outdoor carpets
- For a non-skid coating, apply sand, silica or polyethylene to the binder

TECHNICAL DATA

Color:	CLEAR	Viscosity:	2000-4000 CPS
Gloss:	N/A	Specific Gravity:	1.00 - 1.06 kg/lit.
Type of Cure:	Moisture Cure	Flash Point:	> 93.3°C (200°F)
Binder:	Aliphatic Polyurethane	% NCO:	10.44 +/- 1%
Solids by volume:	100 %	Packaging:	5 gallon, drums, totes
Solids by Weight:	100 %	Storage:	This material must be stored in a cool and dry place and must be protected from humidity. The ideal storage temperature is 15-25 °C (60-80°F)

Keep in cool and dry area
*revised on February 5,
2009

APPLICATION GUIDE

APPLICATION

Curing takes place by reacting with atmospheric moisture. High temperature of materials and surroundings (>29°C-85°F) as well as high humidity (>80% RH) will cause faster curing. Low temperature 15°C (60°F) and low relative humidity (<50% RH) will extend the curing period. The mixing period in the mixer after having added the binder to the rubber granulates should be 3-5 minutes depending on the quantity being mixed. The pot life of the mixture of rubber granulates and binder is 15-30 minutes, depending on the surrounding temperature. If working in low temperature and low humidity conditions, consult Polyval for recommendations. Properly cured surfaces can be walked on after one day and be ready for use in approximately 2 weeks. To achieve an even adhesion throughout the entire area the ground must be treated with a primer prior to the installation.

PROCESSING

Binder SL-8076 can be mixed either with SBR or EPDM rubber granules at a ratio of 20% of binder to 80% of granulates on the job site. The size of the granulates must be between 0.5mm-5mm. The mixture should be prepared and mixed in a clean and dry mechanical mixer until a homogeneous mixture is obtained. The mixture is transferred and applied by a mechanical finisher with a heated finished screen bar. All joint work should be trowelled flush with the adjacent base material. Cured joints must be treated with primer before the application of the adjacent base material.

PRODUCT LIMITATIONS

- Shelf Life is 1 year in original unopened container
- Air and substrate temperature must be approximately 26°C - 37°C (80°F - 100°F)

See the material safety data sheet and product label for complete safety and precaution requirements.

DISCLAIMER:

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer."

Chemical resistance information is currently being updated according to ASTM standards Please contact your local representative for an update.