POLYURETHANE BINDER GN-410

PRODUCT DESCRIPTION

GN-410 is a moisture cure, single component polyurethane binder. It is designed for molding recycled rubber particles to create various finished products. GN-410 is based on diphenylmethane diisocyanate (MDI).

PRODUCT FEATURES

- Especially formulate for use with recycled rubber and for use in mold production
- Excellent flexibility
- Interior and exterior use
- Adheres especially well to: wood, rubber, PVC, cement and metal
- Excellent binding properties when mixed with resilient rubber granulate layers
- Ecological, uses re-milled rubber waste
- Fast curing
- Solvent free
- Very low odor

TYPICAL USES

- Parking blocks
- Speed bumps
- Interlocking tiles
- Doormats
- Weights for road signs

TECHNICAL DATA

Color:	Light Amber
Gloss:	N/A
Type of Cure:	Moisture Cure
Binder:	Polyurethane
Solids by volume:	100 %
Solids by Weight:	100 %

Viscosity:	2000-3500 CPS
Specific Gravity:	1.03 - 1.09 kg/lt.
Flash Point:	> 177°C (350.6°F)
% NCO:	8.0 +/- 1%
Packaging:	5 gallon, drums, totes
Drying times:	
Dust free:	6 - 8 hours
Hard:	24 hours

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

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APPLICATION GUIDE

SURFACE PREPARATION

N/A

MIXING AND THINNING

No mixing or dilution is necessary.

Starting formulation for molding is 100 parts of rubber granule mixed with 5 - 10 parts of binder. Water may be used as catalyst, 10 % on binder (GN-410) is recommended.

APPLICATION

1) Mix the binder carefully with the rubber granulates for 1 to 5 minutes until you reach a homogenous mix.
2) Molds are normally heated between 200-300°F
3) Pressure time may vary between 7 to 15 minutes under pressure of 500 to 2000 PSI
4) The mold temperature, pressure, and press time change with the type of finished product requirements

PRODUCT LIMITATIONS

- Shelf life: 12 months
- Drying times vary depending on humidity and temperature

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

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

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