

**PRODUCT DESCRIPTION**

**GN-416** is a moisture cure, single component premium quality polyurethane binder. It is designed for molding recycled rubber particles to create various finished products. GN-416 is based on diphenylmethane diisocyanate (MDI).

**PRODUCT FEATURES**

- Outstanding adhesion to rubber
- 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
- Low viscosity for better wetting of the rubber granules
- Excellent binding properties when mixed with resilient rubber granulate layers
- Ecological, uses re-milled rubber waste
- Fast curing
- Solvent free
- Low odor

**TYPICAL USES**

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

**TECHNICAL DATA**

<b>Color:</b>	Dark Amber	<b>Viscosity:</b>	500-1500 CPS
<b>Gloss:</b>	N/A	<b>Specific Gravity:</b>	1.06 - 1.10 kg/lit.
<b>Type of Cure:</b>	Moisture Cure	<b>Flash Point:</b>	> 177°C (350.6°F)
<b>Binder:</b>	Polyurethane	<b>% NCO:</b>	8.0 +/- 0.5 %
<b>Solids by volume:</b>	100 %	<b>Packaging:</b>	5 gallon, drums, totes
<b>Solids by Weight:</b>	100 %	<b>Drying times:</b>	
		<b>Dust free:</b>	8 - 12 hours
		<b>Hard:</b>	24 hours

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

## 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-416) 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.**

**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.**