



Rhinothane

Technical Data Sheet

Part A - Isocyanate
Part B - Resin

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PRODUCT DESCRIPTION

RHINOTHANE is a rapidly curing, solvent free, two-part urethane coating. RHINOTHANE is a hard coat designed for rapid application over expanded Polystyrene or Polyurethane Foams. RHINOTHANE features high impact resistance coupled with good flexibility

PROCESSING CHARACTERISTICS:

RHINOTHANE can only be applied using plural dispensing equipment. The mix ratio is 1:1 by volume. The material should be heated by primary heaters to 40°C – 50°C (110° – 130°F). Hose temperatures should be set at the same setting as the heaters. RHINOTHANE will mix easily from 1400psi – 2000psi depending on the impingement mixing gun used.

SPRAY TECHNIQUE

To effectively apply RHINOTHANE slightly 'ghost' foam first, wait 5-10 seconds and apply one pass. Wait 5-10 seconds and apply a second pass. Continue this process until desired thickness is achieved.

PRE-CONDITIONING MATERIAL

Both A and B Drums are best stored and pre-conditioned at 20°-25°C (70° – 80°F).

The A side (ISO) should be rolled or shaken prior to use if stored for long periods of non-use.

The B side should be stirred using a high speed shear prior to each days spraying activities. Once stirred using the high-speed shear a slow speed stirrer placed in the spare 50mm (2") diameter hole in the top of the drum should be used to agitate the product during spraying.

STORAGE OF MATERIALS:

Side A and B containers should always be stored in a dry area with the caps tightly sealed to avoid atmospheric moisture from entering. Partly used containers should be capped with Nitrogen. Storage at 20°-25°C (70° – 80°F) is preferred. Always protect containers from frost, avoid long periods in direct sunlight. Storage above 50°C is to be avoided as this may lead to the formation of insoluble solids. All personnel handling this material should be fully conversant with the relevant MSDS for this product.

TYPICAL PHYSICAL DATA OF CURED RHINOTHANE

Tensile Strength	ASTM D412	3100psi
Hardness	ASTM D2240	70D
Elongation	ASTM D412	30%
Flexural Modulus	ASTM D790	65000
Water Absorption	ASTM D471	3 days @ 75°F - 1.2%

SAFETY PRECAUTIONS:

Health Considerations: consult Rhino Linings Material Safety Data Sheets.

The uncured components of Rhino Linings Rhinothane can cause irritation to the eyes, skin, mucous membranes and are harmful if swallowed. When handling, avoid contact with eyes and skin (especially open cuts). In case of contact, immediately wash off with plenty of water for at least fifteen (15) minutes. For eyes, obtain medical attention. Always wash hands before eating. Obtain immediate medical attention in case of ingestion.

Rhinothane contains isocyanates and may cause allergic skin or respiratory reactions. Do not use if you have chronic breathing problems (asthma) or if you have ever had reactions to isocyanates. When applying Rhinothane avoid breathing harmful vapours. Fresh air-supplied standard painter's hood or full face respirator must be worn by all personnel entering the area where Rhinothane is being applied until all vapours have been exhausted. In case of extreme exposure or adverse reaction, remove affected personnel to fresh air immediately and obtain medical help.

Important: consult the Rhino Linings Material Safety Data Sheets.

Read and follow warning labels on all components. For professional use only. Follow cautions and handling guidelines in Rhino Linings Technical Manual. The information herein is believed to be reliable, but unknown risks may be present. All warranties of any kind, expressed or implied, including warranties of fitness for a particular purpose, are specifically disclaimed.

For your Protection:

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