



HARMOK-HDB 75 MX

Description

- Aliphatic polyisocyanate biuret (HDI homopolymer) supplied at 75 % solids in a blend of methoxypropyl acetate and xylene (1 for 1 by weight).

Suggested Uses

- Conventional two component polyester/alkyd urethanes.
- High durability protective coatings for industrial maintenance.
- Topcoats for transportation and metallic devices.

Specifications

- Colour ≥ 40 HAZEN (APHA)
- Viscosity at 25°C 250 ± 100 mPa.s
- NCO (on delivery form) 16.5 ± 0.5 %
- Solids content 75.0 ± 1.0 %
- Hexamethylene diisocyanate monomer (HDI) < 0.3 %

*The analytical methods are available upon request

Physical Properties

- Appearance Clear liquid
- Bulk density at 25°C 1067 kg/m³ approx.
- Weight per US gallon 8.91 lbs approx.
- Flash point (closed cup) 38°C approx.
- Equivalent weight (on delivery form) 255 g approx.



Solubility

- Soluble in esters, ketones, aromatic hydrocarbons. In most cases, esters/aromatic hydrocarbon mixtures are used. It is recommended to use “urethane grade” solvents for the dilution (with water content below 300 ppm).

Applications

- HARMOK- HDB 75 MX is typically used in combination with hydroxylated polymers, notably polyesters and polyacrylates, in the preparation of two component systems for weatherable coatings which give excellent mechanical properties in conjunction with outstanding resistance to solvents, abrasion and chemical products.

Packaging

- Deliveries of 860 kg net weight pallets (4 drums of 215 kg net weight).

Storage conditions and shelf-life

- HARMOK-HDB 75 MX is sensitive to moisture and should be kept in its original container or in a volume tank under dry nitrogen blanketing, for example.
- Appropriate storage for 2 years does not normally affect the product in any way if it is stored in its sealed original drums in proper storage conditions at temperatures below 40°C.