

HDI Diourea WanHua HB-75MX

Application:

[WANNATE® HB-75MX](#) (solution of 1,6-hexamethylene diisocyanate based biuret polyisocyanate) is an aliphatic biuret polyisocyanate based on hexamethylene diisocyanate (HDI) and dissolved in 25% of 1-methoxy-2-propyl acetate (MPA) and xylene (1:1), colorless to slightly yellowish clear liquid.

Equivalent Weight	~ 255
Density at 25 °C	~ 1.07 g/cm ³

WANNATE® HB-75MX can be used as the hardener component for lightfast two-component polyurethane coatings with high resistance to chemicals and weathering, very good gloss retention and outstanding mechanical properties.

The main applications for coatings based on WANNATE® HB-75MX are automotive refinishing, transportation, industrial finishing and plastics.

Specification:

Properties	Unit	Specification
NCO Content	%	16.2 ~ 16.8

Solids	%	74.0 ~ 76.0
Viscosity at 25°C	mPa·s	150 ~ 300
Chromatic Number	APHA	≤ 40
HDI Content	%	≤ 0.5

Package(s):

20 kg Metal drum

60 kg Metal drum

215 kg Metal drum

IBC & ISO TANK

Other packaging available according to customer needs

Storage / Solubility:

Storage in original container. Protect from moisture, heat and foreign material.

WANNATE® HB-75MX is sensitive to moisture. Storage at higher temperatures will result in increasing of color and viscosity.

WANNATE® HB-75MX can be thinned with esters, ketones and aromatic hydrocarbons such as ethyl acetate, butyl acetate, methoxypropylacetate, acetone, methyl ethyl ketone, methyl isobutyl ketone, cyclohexanone, toluene, xylene, solvent naphtha 100 and mixtures thereof. Generally speaking, it has good compatibility with the solvents listed. However, the

solutions formed must be tested for their storage stability. Only PU grade solvents should be used (max. 0.05% water, absence of reactive groups such as hydroxyl or amino groups). Aliphatic hydrocarbons are unsuitable as solvents.

WANNATE® HB-75MX is not recommended to be thinned to a lower solid content.

Prolonged storage of a solution with a lower content may result in turbidity and sedimentation, even gelation.

Compatibility:

WANNATE® HB-75MX can be mixed with the following products: aliphatic polyisocyanates, polyester polyols, aromatic polyisocyanates and polyacrylates.

Shelf Life:

WANNATE® HB-75MX is sensitive to moisture and must be stored in tightly sealed container. It can be stored for at least 12 months at temperatures between 0 and 30 °C.

E_mail us : info@allhdi.com