

Technical Data Sheet

Revision Date: 2023-11-27

NO. PCS_0015

Name: FSC™ HB-75MX

Version: 7.0

Application

FSC™ 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/cm³

FSC™ 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 FSC™ 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.

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

FSC™ 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.

FSC™ HB-75MX is not recommended to be thinned below 40% solid content. Prolonged storage of a solution with a lower content may result in turbidity and sedimentation, even gelation.

Compatibility

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

Shelf Life

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

For more information about safety and environment, please refer to our MSDS or contact our customer service center.

For further information, Please Contact Us:

FAMOUS SPECIALITY CHEMICALS

Address: 701,702 Divya Ambe, Near Rustomjee & SBI bank, Above Honda Showroom, Dahisar-West, Mumbai - 400068. India

Email: contact@famous-speciality.com

Tele/Fax: +(91) -(22)- 45176644

Customer Care: +91 81699 31892

