

Easaqua™ X D 401

Description

- Easaqua™ X D 401 is a Fast Drying water-dispersible aliphatic polyisocyanate, supplied in n-butyl acetate. It does not contain any alkyl phenol ethoxylate (it is "APEO free").

Suggested Uses

- Fast drying hardener of two-pack waterborne high performance polyurethane coatings on various substrates, like Wood (parquet flooring, kitchen & office furniture), Metal and Plastics.

Specifications

Colour	≤ 100 HAZEN (APHA)
Viscosity at 25°C	450 to 1 650 mPa.s
NCO (on delivery form)	13.8 to 17.8 %
Solids content	82.0 to 88.0 %
Quantity of residual monomer (HDI* + IPDI**)	< 0.5 %***

* HDI : Hexamethylene diisocyanate monomer, ** : IPDI : Isophorone diisocyanate monomer

*** values are calculated based on the measurements done on the raw materials

The analytical methods are available upon request

Physical Properties

Appearance	Clear liquid
Bulk density at 25°C	1090 kg/m ³ approx.
Flash point (closed cup)	40°C
Equivalent weight (on delivery form)	260 g approx.
Mixing in water	See safety instructions

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Solubility

Soluble in esters, ketones, ether-esters and aromatic hydrocarbons. This product reacts with solvents containing hydroxyl groups, such as alcohols, glycol-ethers and water (in case of unsuitable use). It is recommended to use "urethane grade" solvents only for the dilution (with water content below 300 ppm).

Applications

- Easaqua™ X D 401 is usually used as a crosslinker of waterborne hydroxy functional polymers, especially polyacrylics or urethane-acrylics hybrids in various physical forms (solutions, emulsions or dispersions) and polyurethanes dispersions (PUDs) to prepare 2K waterborne polyurethane formulations. It can be further diluted with solvents and blended with other EASAQUA™ and TOLONATE™.
- Easaqua™ X D 401 gives coatings showing very fast drying and excellent hardness development. It is therefore of special interest in Industrial Wood coatings because it improves stackability and reduces dust contamination issues. It gives also very good results in automotive applications.

Packaging and transport

Packaging (please contact our sales team for more details)

- Deliveries of 860 kg net weight pallets (4 drums of 215 kg net weight).
- Other packaging: upon request

Transport

- Regulated. For more precise details, please consult the safety data sheet

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Storage conditions and shelf-life

- Easaqua™ X D 401 is sensitive to moisture and should be kept in its sealed original container or in a volume tank under dry nitrogen blanketing at room temperature.
- A shelf life of 9 months is expected provided that the product is kept in its sealed original container at 25 °C.

Inflammability and safety instructions

- Before handling this product please refer to its safety data sheet as new technology requires new ways of handling products.

warning to users

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