

Easaqua™ M 502

Description

- Easaqua™ M 502 is a water dispersible aliphatic polyisocyanate. It does not contain any alkylphenolethoxylate. It is the APEO free version of Easaqua™ WT 2102.

Suggested Uses

- Hardener of two-pack (2K) waterborne high performance polyurethane coatings on various substrates, like Metal (general industrial, car repair, railways applications), Plastics, Wood (parquet flooring, kitchen & office furniture) or Concrete.
- Crosslinker of paints and varnishes formulations with very low VOC content

Specifications

Colour	≤ 60 HAZEN (APHA)
Viscosity at 25°C	2 300 to 4 900 mPa.s
NCO (on delivery form)	16.8 to 19.8 %
Solids content	> 97%
Hexamethylene diisocyanate monomer (HDI)	< 0.5%

The analytical methods are available upon request

Physical Properties

Appearance	Clear liquid
Bulk density at 25°C	1130 kg/m ³ approx.
Weight per US gallon	9.33 lbs approx.
Flash point (closed cup)	> 120°C
Equivalent weight (on delivery form)	230 g approx.
Mixing in water	See safety instructions

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).

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Applications

- Easaqua™ M 502 is usually used as a crosslinker of waterborne hydroxyl functional polymers, especially polyacrylics, polyesters or urethane-acrylics hybrids in various physical forms (solutions, emulsions or dispersions) or polyurethanes dispersions (PUDs), to formulate two-pack (2K) waterborne polyurethanes.
- Easaqua™ M 502 can be used as it is (without any added solvents) or diluted in organics solvents (cf. chapter on Solubility). Easaqua™ M 502 is fully compatible with the other products of the EASAQUA™ and TOLONATE™ ranges of polyisocyanates (excepted blocked products).

Packaging and transport

Packaging (please contact our sales team for more details)

- Deliveries of 900 kg net weight pallets (4 drums of 225 kg net weight).
- Other packaging: upon request

Transport

- Not regulated. For more precise details, please consult the safety data sheet

Storage conditions and shelf-life

- Easaqua™ M 502 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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