

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	1 130 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).

Easaqua™ M 502

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 EASQUA™ 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

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third parties through the use of our products. VENCOREX guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local regulation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of the present document and VENCOREX is at their disposal to supply any additional information.

EASQUA™ and TOLONATE™ are Trade Marks of VENCOREX.