

Technical Data Sheet

Revision Date: 2022-7-15
Name: WANNATE™ HT-400

NO. PCS_0080
Version: 2.0

Application

WANNATE™ HT-400 can be used as a reactive thinner or a hardener component for lightfast two-component polyurethane coatings and as a binder for moisture-curing one-component polyurethane coatings. In two-component polyurethane system, WANNATE™ HT-400 are widely used combining WANNATE™ HT-100, HT-600, and IT-170B. The ideal reactant is Hydroxy polyacrylate. In one-component polyurethane system, WANNATE™ HT-400 can be used as single binder or other polyisocyanate mixture. On account of its low viscosity, WANNATE™ HT-400 can also be used as the hardener for aqueous two-component polyurethane coating.

Specification

Properties	Unit	Specification
NCO Content	%	20.5~22.5
Viscosity at 25 °C	mPa s	100~280
Chromatic Number	Hazen	≤ 80
HDI Monomer	%	<0.5

Package(s)

20 kg Metal drum

60 kg Metal drum

220 kg Metal drum

IBC & ISO TANK

Other packaging according to customer needs

Storage/ Use Attention

Storage in cool, dry, well-ventilated area. Storage in original container.

Recommended storage temperature is 0~30 °C . Protect from moisture, heat and foreign material. WANNATE™ HT-400 is sensitive to moisture. Storage in higher temperatures (≥ 30 °C) may result in increasing of color and viscosity.

WANNATE™ HT-400 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 content, absence of reactive groups such as hydroxyl or amino groups). Aliphatic hydrocarbons are unsuitable as solvents.

WANNATE™ HT-400 is not recommended to be thinned to a lower solid content of 40%. Prolonged storage of a solution with a lower content may result in turbidity or sedimentation, even gelation.

Compatibility

WANNATE™ HT-400 can be mixed with the following products: aliphatic polyisocyanates, polyester polyols, aromatic polyisocyanates and polyacrylates. However, the compatibility of the combinations used should always be tested.

Shelf Life

WANNATE™ HT-400 is sensitive to moisture and must be stored in tightly sealed container. It can be stored for at least 6 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.

Version Information

Date of first issue: Apr. 20, 2021

Date of 1st revise: Jul. 15, 2022. Reason for revision: Change of product specification

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The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with questions on our products.