

Technical Leaflet

WorléeThix A 2313

Art.-No. 112005-02250

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W'Thix A 2313 is a thixotropic acrylic resin which can be crosslinked with isocyanates.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	60% ± 2
Hydroxyl number, on solids, DIN EN ISO 4629	approx. 43
Hydroxyl content, on solids	approx. 1.3%
Colour, Gardner, delivery form, DIN ISO 4630	approx. 1
Glass transition temperature (Tg), calculated	approx. 30 °C
Viscosity	thixotropic, soft gel
Delivery form	60% in aromatic HC 155 - 180

Application and Properties:

W'Thix A 2313 can be used as a sole binder or in combination with other hydroxy acrylates for the manufacture of air and forced drying industrial paints.

Even at room temperature paint films show high hardness, chemical resistance and very good weather resistance.

Application fields for W'Thix A 2313 are coatings of front elements and plastic coatings.

W'Thix A 2313 can also be used for formulating decorative effect finishes.

Compatibility / Solubility:

Tolonate HDB*	+		
aliphatics	-		
aromatics	+		
esters	+		
ketones	+		
glycol ethers, - esters	+		
alcohols	-	- insoluble	+ soluble

Cross-linking / Catalization:

For 100% cross-linking per 100 g W[®]Thix A 2313, 60%

11.4 g Tolonate HDB* 75

The necessary equivalent quantity of polyisocyanates can be calculated according to the following formula:

$$\text{Polyisocyanate quantity} = \frac{42 \times \% \text{ OH}}{17 \times \% \text{ NCO}} \times 100$$

(42 = molecular weight of NCO-group)

(17 = molecular weight of OH-group)

Curing may be accelerated by addition of DBTL, zinc octoate, diethanol amine. A reduction of pot life has to be observed.

Pigmentation:

W[®]Thix A 2313 shows high pigment binding properties and is pigmentable with all neutral, water-free pigments and fillers.

Recommended Storage- and Transport Conditions:

Avoid direct sunlight, do not store above 30 °C.

Stored in original packaging and at room temperature WorléeThix - hydroxy acrylates have a durability of 12 months.

* Tolonate is a product of Vencorex. Distribution for Austria, Germany and Switzerland by Worlée-Chemie GmbH.