

## PRODUCT NEWS

02/2022



### Functional resins

## SYNTHALAT A-TH 3955

45% in butyl acetate

Polyisocyanate crosslinkable acrylic resin for easy to matt coatings

### APPLICATION

**Synthalat A-TH 3955** is an acrylate resin that requires only little amount of matting agent to obtain matt coatings.

- In combination with (cyclo-) aliphatic polyisocyanates air- and oven-drying 2K-MS top coats for metallic, plastic, wood and glass substrates.
- In combination with melamine resins, oven-drying topcoats for metallic and glass substrates.

Wherever high resistance with low gloss is required and polishing or friction leads to increased gloss.

**Synthalat A-TH 3955** requires significantly less matting agent than conventional resins: here only 1/3 of the quantity at 0 GE. This means that chemical resistance is also given at 0 GE without polishing.

### FIELDS OF APPLICATION

Car OEM and repair, rim lacquers, motorbike and bicycle lacquers, furniture, especially with natural look, household appliances, phono and electrical appliances, optical devices, glasses of all kinds.

### HIGHLIGHTS

- **Very good chemical and weather resistance**
- **Excellent adhesion to metal, glass, wood and various plastics**
- **Production of high gloss lacquers also possible**
- **Need only 30% of matting agents compared to other acrylic resins**



**PROPERTIES AND TECHNICAL DATA**

Delivery form	45% in butyl acetate
Viscosity/ 23 ° C	2000 – 4000 mPa*s
Solids (nfA)	45 +/- 1 %
Hydroxyl value	50 – 70
Hydroxyl content	approx. 1.8%
Colour number (Gardner)	< 2
Flash point in °C	approx. 26
Density in g/mL	approx. 0.99

**OTHER ACRYLATE RESINS WITH EASY MATTING PROPERTIES**

Synthalat A-TH 4354	50% in butyl acetate	2.4% OH
Synthalat A-TH 4449	50% in butyl acetate	3.0% OH
Synthalat A-TH 4467	50% in butyl acetate	3.8% OH (very high resistance)
Synthalat A-TH 4472	50% in butyl acetate	4.5% OH
Synthalat A-TH 4474	50% in butyl acetate	5.2% OH

From 3.8% OH suitable for automotive.


**SAMPLING**

**Synthalat A-TH 3955** is commercially available. Samples are available at short notice.

**Synthalat A-TH 4354, 4449, 4467, 4472 and 4474** are still in laboratory status, can also be requested.

**CONTACT**

If you are interested in more information about our products please contact your known person in charge from the sales or research and development department or our headquarters directly under following references:

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