

ATACRYL 18B50 1,8 %OH

PRODUCT DESCRIPTION

ATACRYL 18B50 1,8 %OH is a hydroxyl functional acrylic resin developed for in two component systems when cured with polyisocyanate.

Characteristics of ATACRYL 18B50 1,8 %OH based coatings include:

- High gloss
- Excellent hardness
- Excellent weathering properties
- Excellent chemical and application properties
- Fast drying
- Good compatibility with CAB

STORAGE & SHELF LIFE

The resin should be stored indoors in original, unopened, use undamaged container in a dry place at storage temperature between 5-30 °C. Exposure to direct sunlight should be avoided. The shelf life of the resin under the mentioned storage conditions is 1 year

MATERIAL SAFETY

SDS for this product is available on request

DELIVERY FORM

IBC - 1000 kg

Barrel - 200 kg

Bulk

APPLICATION

Auto repair

Industrial paints and varnishes

Marine paints and varnishes

Wood

Furniture varnish

CHEMICAL COMPOSITION

The solvents chosen for paints and lacquers based on ATACRYL 18B50 1,8 %OH should be free of water and should not contain groups that react with isocyanates.

TECHNICAL SPECIFICATIONS

Property	Value	Unit	Test Method
Solvent type	Butyl acetate	-	-
Solid content	48-52	%	TS EN ISO 3251
Viscosity (Brookfield 25 °C)	3000-5000	cP	TS 6126 EN ISO 2555
Acid value	Max 6	mg KOH/g	TS 2366 EN ISO 2114
Colour	Max 1	Gardner	TS EN ISO 4630
Hydroxyl value (On solid)	approx. 1,8	%	Ata yağ ve kimya Methods
Hydroxyl value (Supply form)	0,9±0,2	%	Ata yağ ve kimya Methods
Density (20 °C)	0,98-1,02	gr/cm ³	TS EN ISO 2811-1

The amount of polyisocyanate used to 100 g of acrylic resin (100% solid)

General suggestion is NCO/OH ratio should be equal to 1. But;

$$= \frac{42 \times 100 \times OH \%}{17 \times NCO \%} \quad \frac{NCO}{OH} \times$$

If the product has to be harder and has more resistance for chemicals;

NCO/OH>1

If the product has to be flexible has good adhesion and weatherability;
NCO/OH<1

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