

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)

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

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

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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