

ATACRYL 45XB60 N 4,5 %OH**PRODUCT DESCRIPTION**

ATACRYL 45XB60 N 4,5 %OH is a hydroxyl functional acrylic resin developed for use in two component systems when cured with polyisocyanate.

Characteristics of ATACRYL 45XB60 N 4,5 %OH based coatings include:

- High brightness
- Excellent hardness
- Excellent weathering properties
- Excellent chemical resistance
- Best practice features

MATERIAL SAFETY

SDS for this product is available on request

APPLICATION

- Auto repair
- Industrial paints and varnishes
- Marine paints and varnishes
- Wood
- Furniture varnish

STORAGE & SHELF LIFE

The resin should be stored indoors in original, unopened, 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.

DELIVERY FORM

- IBC - 1000 kg
- Barrel - 200 kg
- Bulk

CHEMICAL COMPOSITION

The solvents chosen for paints and lacquers based on ATACRYL 45XB60 N 4,5 %OH should be free of water and should not contain groups that react with isocyanates.

TECHNICAL SPECIFICATIONS

Property	Value	Unit	Test Method
Solvent type	Xylene / Butyl acetate	-	-
Solid content	58-62	%	TS EN ISO 3251
Viscosity (Brookfield 25 °C)	1760-3620	cP	TS 6126 EN ISO 2555
Acid value	3-8	mg KOH/g	TS 2366 EN ISO 2114
Colour	Max 1	Gardner	TS EN ISO 4630
Hydroxyl value (On Solid)	approx.4,5	%	Ata yağ ve kimya Methods
Hydroxyl value (Supply Form)	2,7±0,2	%	Ata yağ ve kimya Methods
Density (20 °C)	0,99-1,05	gr/cm3	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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