

ATACRYL 18X55 LV 1,8 %OH**PRODUCT DESCRIPTION**

ATACRYL 18X55 LV %1,8 OH is a hydroxyl-functional acrylic resin developed for use in two-component systems when cured with polyisocyanate.

The properties of coatings based on ATACRYL 18X55 LV %1,8 OH include:

High gloss

Excellent hardness

Excellent demarcation (or differentiation) properties

Excellent chemical and application properties

Fast drying

MATERIAL SAFETY

SDS for this product is available on request

APPLICATIONS

Industrial Paints and Varnishes

Wood coatings

Decorative coatings

Auto repair

STORAGE AND SHELF LIFE

The resin should be stored in its original, unopened, undamaged packaging in a dry environment at temperatures between 5–30 °C. Direct exposure to sunlight should be avoided. Under the specified storage conditions, the shelf life of the resin is 1 year.

DELIVERY FORM

IBC - 1000 kg

Barrel - 200 kg

Bulk

**CHEMICAL
COMPOSITION**

Solvents chosen for paints and varnishes based on ATACRYL 18X55 LV %1,8 OH should be free of water and must not contain groups that react with isocyanates.

TECHNICAL SPECIFICATIONS

Property	Value	Unit	Test Method
Solvent type	Xylene	-	-
Solid Value	53-57	%	TS EN ISO 3251
Viscosity (Brookfield 25 °C)	2000-3000	cP	TS 6126 EN ISO 2555
Acid value	Max 8	mg KOH/g	TS 2366 EN ISO 2114
Color	Max 1	Gardner	TS EN ISO 4630
Hydroxyl value (in solid)	yaklaşık 1,8	%	Ata yağ ve kimya Test Methods
Hydroxyl value (supply form)	1,0±0,2	%	Ata yağ ve kimya Test Methods
Density (20 °C)	1,00-1,03	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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