

ATACRYL 23X70 2,3 %OH**PRODUCT DESCRIPTION**

ATACRYL 23X70 2,3 %OH is a hydroxyl functional acrylic resin developed for use in two component systems when cured with polyisocyanate.

Characteristics of ATACRYL 23X70 2,3 %OH based coatings include:

- High gloss
- Excellent hardness
- Excellent weathering properties
- Excellent chemical resistance
- Good application properties

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 23X70 2,3 %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 | - | - |
| Solid content | 68-72 | % | TS EN ISO 3251 |
| Viscosity (Brookfield 25 °C) | 2700-4630 | cP | TS 6126 EN ISO 2555 |
| Acid value | Max 13 | mg KOH/g | TS 2366 EN ISO 2114 |
| Colour | Max 1 | Gardner | TS EN ISO 4630 |
| Hydroxyl value (On solid) | approx.2,3 | % | Ata yağ ve kimya Methods |
| Hydroxyl value (Supply form) | 1,6±0,2 | % | Ata yağ ve kimya Methods |
| Density (20 °C) | 0,97-1,01 | 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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