



IZELCRYL 45XB70 4,5 %OH

PRODUCT DESCRIPTION

IZELCRYL 45XB70 4,5 %OH is a hydroxyl functional acrylic resin developed for use in two component systems when cured with polyisocyanate.

Characteristics of IZELCRYL 45XB70 4,5 %OH based coatings include:

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

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.

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 IZELCRYL 45XB70 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 | 68-72 | % | TS EN ISO 3251 |
| Viscosity (Brookfield 25 °C) | 6340-14800 | 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 | % | Izel Test Methods |
| Hydroxyl value (Supply Form) | 3,2±0,2 | % | Izel Test Methods |
| Density (20 °C) | 1,00-1,04 | 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

The information in this data sheet is to the best of our knowledge correct at the date of printing. They merely serve the purpose of informing our customers and do not relieve them from examining themselves the suitability of the described products for the intended purpose. Since conditions of the application are beyond our control, no liability can be accepted on the basis of this data sheet

IZEL KIMYA SAN. VE TIC. A.Ş.

Gebkim V (Kimya) Organize Sanayi Bölgesi İbrahim Başaran Caddesi No. 9 Dilovası / KOCAELİ

Phone: +90 262 754 22 33 (pbx) Fax: +90 262 754 11 99

www.izelkimya.com.tr

for application results

