IZEL KIMYA®

TECHNICAL DATA SHEET

SYNTHETIC RESINS - PAINT AND VARNISH / Solvent Based | **2 K ACRYLIC RESIN**

IZELCRYL 23X70 2,3 %OH

PRODUCT DESCRIPTION

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

Characteristics of IZELCRYL 23X70 2,3 %OH based coatings include:
High gloss
Excellent hardness
Excellent weathering properties
Excellent chemical resistance
Good application properties

STORAGE & SHELF LIFE

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between 5-30 ºC 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 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 25	Hazen	TS EN ISO 4630
Hydroxyl value (On solid)	approx.2,3	%	Izel Test Methods
Hydroxyl value (Supply form)	1,6±0,2	%	Izel Test 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

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