



IZELCRYL 18B50 1,8 %OH

PRODUCT DESCRIPTION

IZELCRYL 18B50 1,8 %OH is a hydroxyl functional acrylic resin developed for use in two component systems when cured with polyisocyanate.

Characteristics of IZELCRYL 18B50 1,8 %OH based coatings include:

- High gloss
- Excellent hardness
- Excellent weathering properties
- Excellent chemical and application properties
- Fast drying
- Good compatibility with CAB

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 IZELCRYL 18B50 1,8 %OH should be free of water and should not contain groups that react with isocyanates.

TECHNICAL SPECIFICATIONS

Property	Value	Unit	Test Method
Solvent type	Butyl acetate	-	-
Solid content	48-52	%	TS EN ISO 3251
Viscosity (Brookfield 25 °C)	3000-5000	cP	TS 6126 EN ISO 2555
Acid value	Max 6	mg KOH/g	TS 2366 EN ISO 2114
Colour	Max 1	Gardner	TS EN ISO 4630
Hydroxyl value (On solid)	approx. 1,8	%	Izel Test Methods
Hydroxyl value (Supply form)	0,9±0,2	%	Izel Test Methods
Density (20 °C)	0,98-1,02	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

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for application results

