

# VIACRYL<sup>®</sup> SC 444/50BSNB

## TYPE

Thermosetting, self-crosslinking acrylic resin

## FORM OF DELIVERY (f.o.d.)

50 % in butanol / solvent naphtha 180/210 (50BSNB)

## SPECIAL PROPERTIES AND USE

Top quality single coats for domestic appliance.  
Clear and pigmented exterior coatings for cans.  
Great hardness combined with good flexibility.  
Excellent chemical resistance.

## PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219  
dynamic viscosity [mPa.s] 1600 - 2400  
(25 1/s; 23 °C)

Iodine Colour Number DIN 6162  
iodine colour number <= 4

Acid Value DIN EN ISO 2114  
acid value [mg KOH/g] 13 - 16  
(solids)

Non-Volatile Matter DIN EN ISO 3251  
non-volatile matter [%] 48 - 52  
(1 h; 125 °C; 1 g)

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2  
density [g/cm<sup>3</sup>] 0,95  
approx.  
(20 °C)

Flash Point DIN EN ISO 1523  
flash point [°C] 35  
approx.

## DILUTABILITY

white spirit	¾	methoxypropyl acetate	}
xylene	}	butyl acetate	}
solvent naphtha 180/210	½	methoxy propanol	}
trichloroethylen	}	ethanol	½
acetone	}	butanol	}

} = unlimited dilutability

¾ = limited dilutability

½ = substantial dilutability

» = very limited or no dilutability

## SUGGESTED USES

Viacryl SC 444 is an acrylic resin designed as sole binder in the formulation of clear or pigmented industrial paints.

Recommended stoving schedule: 20 - 30 minutes at 170 - 180 °C.

Domestic appliances, like refrigerators, washing machines can be coated with Viacryl SC 444 single coats, since it yields films with very great hardness and outstanding flexibility.

Co-employment of low molecular weight epoxy resins increase flexibility and chemical resistance.

A wide range of possibilities are offered when it is used as a clear and pigmented exterior coating for cans.

## STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

5.0/28.01.2014 ( replaces 4.0/17.07.2013 )

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