

Technical Data Sheet

V-Pol 2K

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Version: 1
Date of issue: 28.03.2007

Description

V-Pol 2K is a solvent free, two component polyurethane coating. The final product is a hydrophobic elastic membrane.

Application

Elastomeric coating recommended for waterproofing, protection etc. of structures where solvent is a problem i.e. closed areas, substrates sensitive to solvents.

Chemical Characteristics

Polyol-Component: mixture of polyetherpolyol, catalysts, extenders, pigments
Iso-Component: prepolymer of Pure MDI

Storage, Preparation

Polyurethane components are moisture sensitive. Therefore they must be stored at all times in sealed, closed containers. The A-component (Polyol) must be homogenized by stirring before processing.

Processing

The substrate i.e. concrete must be clean, free from oil or grease, loose particles etc. must be removed.
Apply V-Primer suitable for the particular substrate. V-Seal is recommended for sealing cracks and joints.
Mix well for at least 2-3 minutes with a low rotating mixer.
Apply with roller or spatula, for extended pot life, pour the material on the floor and spread it afterward.

Consumption

A minimum of 1.0 – 1.5 kg/m² must be applied in two coats.

Packing

In steel pails of Polyol "A" 17kg
Iso "B" 3.5 kg.

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Colours

White, Grey, Red.

Component Data

Property	Unit	Polyol Comp.	Iso Comp.	Method
Density (20 °C)	g/cm ³	1.35	1.3	G 133-08
Viscosity (20 °C)	mPa·s	2400±200	250±50	G 133-07
Viscosity A+B	mPa·s	2000± 200		
Pot life 20 °C	min	30		
Mixing Ratio		5 parts	1 part	
Storage stability	days	180	180	

Product Data

Property	Unit	Specification	Method
Hardness	Shore A	60 - 70	DIN 53 505
Tensile Strength	N/mm ²	35	DIN 53 571
Elongation at break	%	300	DIN 53 571
Working Temperature	°C	-30-90	—
Adhesion	N/mm ²	2	