

V-Coat H2000

Technical Data Sheet

V-Coat H2000

Two component hybrid elastomer

Description

Two component, solvent free, hybrid elastomer suitable for covering polyurethane spray foam systems V-Por.

Chemical Characteristics

Polyol component: mixture of polyols

Iso component: Preparation containing diphenylmethane-diisocyanate

Application Fields

- Covering polyurethane systems V-Por

Advantages

- fast cure 10"
- temperature resistant
- solvent-free
- unlimited desired thickness in one application
- 100% adhesion
- weather resistant

Application Guide

Stage 1: Surface Preparation

the surface should be clean, dry, dust free with no foreign particles that can reduce adhesion

Surface requirements

Moisture	Substrate moisture should not be present
Ambient temperature	min. 5°C and max. 30°C
Substrate temperature	should be 3°C above dew point and rising
Upcoming Moisture	Should not be present

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Stage 2: Coating with V-Coat H2000

Consumption	1,10kg for thickness 1mm/m ²
Thickness	min.2 - 4mm depending on application
Layers	At least 2
Time of second layer	Immediately
Method of Application	in 2 different directions
Strip Application	min. 15cm overlap
Colour stability	Apply protective UV coating V-Pol Protect

Component Data

	Unit	Polyol	Iso	Method
Viscosity (20°C)	mPa.s	1,100	250	
Storage Temperature (20-25°C)	months	6	6	

Processing Data

Application with high pressure plural component proportioner

	Unit	Value	Method
Mixing Ratio	Parts by volume	100 : 100 (Polyol : Iso)	
Processing Temperature:			
Component A	°C	60 - 70	
Component B	°C	60 - 70	
Processing pressure:			
Component A	bar	130-170	
Component B	bar	130-170	

Physical Properties

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	Unit	Measured Value	Method
Hardness	Shore A	92	DIN 53505
Tensile strength	N/mm ²	11	EN 527-1
Elongation	%	200	EN 527-1

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 homogenised by basic stirring before processing. More detailed information should be obtained from the separate data sheet entitled "Information for in-coming material control, storage, material preparation and waste disposal" and from the material safety data sheets.

Storage Conditions/Shelf Life: the components should be stored at all times in a dry place with temperature 20-25°C in their original, sealed close containers. In temperature less than 10°C crystal may be formed in the Iso component. Shelf life is 6 months for both components

Possible Hazards

B-component (Isocyanate), irritates the eyes, respiratory organs and the skin. Sensitisation is possible through inhalation and skin contact. Isocyanate is harmful by inhalation. During processing, take note of the necessary precautionary measures described in the Material Safety Data Sheets (MSDSs). Use the Training Programme "Walk the Talk - MDI Users".

Waste Disposal

Fully reacted material is non-hazardous and can be disposed according to national regulations
Any other residual material must be treated in accordance with national regulations.

Consumer articles, medical products

There are national and international laws and regulations to consider if it is intended to produce consumer articles (eg articles that necessitate food or skin contact, toys etc.) or medical objects out of VIOPOL's products. Where these do not exist, the current legal requirements of the European Union for consumer articles as well as medical products should be sufficient. Consultation with the VIOPOL's Sales Office is strongly recommended.

Important Notes

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The applicator should have sufficient knowledge and experience in order to process the system in a safe and responsible manner

In case of any form of doubt the applicator must contact VIOPOL The above system is only for professional use.

Safety Regulations

Read thoroughly the safety data sheets before starting any application of the product

Avoid skin contact

During application wear sufficient protective clothing such as safety glasses, shoes, gloves and, if necessary, ear protection

If there is insufficient ventilation, use a separate independent air supply

Ensure that the working area is clean and that there is a safe escape route

Information

The following publications are available on request:

- Safety Data Sheets