

- EN** LIQUID-APPLIED WATERPROOFING PRODUCTS
- IT** IMPERMEABILIZZANTI LIQUIDI PER EDILIZIA CIVILE
- FR** IMPERMÉABILISANTS LIQUIDES
- PL** HYDROIZOLACJE TARASÓW I BUDYNKÓW



TRAFFIDECK FLEX 2000 SG

Instantaneously cross-linking solvent-free two-component polyurethane waterproofing membrane for spraying application

Description

Instantaneously cross-linking spray applied waterproofing membrane

Codes-Box

HF 2000/420 (code for internal use)

Colour

Green

Use Suggestions and Advantages

FLEX 2000 SG is a two-component membrane based on highly reactive and solvent-free polyurethane resins with high mechanical properties. The system exhibits combined excellent tensile strength and high elongation values, besides good wear and tear propagation resistance. Crack bridging properties are outstanding.

FLEX 2000 SG main function is to waterproof concrete structures, such as: flat roofs used as parking space, flat coverage, bridge decks, terraces and roof gardens, etc..

FLEX 2000 SG can adhere to surfaces made of steel, wood and bituminous materials using the primers specifically designed for Traffideck line.

FLEX 2000 SG, if applied with appropriate specific spray equipment, will set and hardens in very few seconds allowing both vertical and quick application according to the desired thickness. **FLEX 2000 SG** maintains a high degree of elasticity even at very low temperatures.

Solids content

100%

Dry Film Thickness

A minimum thickness of 1,000 microns shall be applied

Coverage

1.5 to 2.0 kg/m²

Mixture ratio

1:1 by volume (0,91:1,00 by weight) Comp.A (polyol) and Comp.B (isocyanate)

Pot life (at +20°C)

5 - 10 seconds

Overcoat time (at 20°C)

2 hours

Surface Preparation

All surfaces must be prepared in compliance with Traffideck technical specifications. If compatibility with the substrates is unsure, a preliminary test must be performed on a small sample area.

Mixing Instructions

FLEX 2000 SG is formulated to be applied with equipment to spray by bimixer. Our Technical Service Department can advise you about choosing the right equipment and assist you in evaluating the optimum processing conditions. Both components should be raised to the required temperature and thoroughly agitated before use.



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Method of Application

The substrate must be treated with the proper primer specifically designed for the Traffideck line and this liner when still wet shall be broadcast to excess with dry quartz sand 0.1 to 0.6 mm. FLEX 2000 SG must be evenly applied using an appropriate spray equipment, with large movements until obtaining the required and homogeneous thickness. Only 2 hours after and within a maximum of 48 hours from application, the membrane can be overcoated by subsequent layers.

If a further coat of FLEX 2000 SG must be applied after 24 hours from the previous coat, the surface must be cleaned and PRIMER P2 applied (broadcast to excess with dry quartz sand 0.1 to 0, 6 mm). FLEX 2000 SG can be applied at temperatures below 0°C provided they are rising and at least 4°C above the dew point. The membrane will accept light pedestrian traffic after 2 hours.

Technical Properties

	Comp.A	Comp.B
Appearance	Yellow liquid	Liquid Blue
Viscosity at 25°C	350-650 cps	1500-2500 cps
Density at 25°C	1.01 to 1.03 kg/dm ³	1.11 to 1.13 kg/dm ³

Dry film Properties

Shore Hardness A	85
Module at 100%	4.5 MPa
Tensile Strength,	12.0 MPa
Elongation at break	320%
Tear-Propagation Resistance	40 kN/m
Bending Temperature Limit	-40°C
Density (A + B)	0.95 to 1.00 kg/dm ³
Adhesion to concrete	3.0 MPa with primers

Packaging

Component A: 210 kg drum - Component B: 220 kg drum

Storage

In its original packaging and sealed at +4° ÷ +35°C.
Packages should be kept at the highest possible temperatures.

Shelf life

12 months minimum in unopened original packaging.

Health and Safety Information

Before use, see the product Material Safety Data Sheets.

Additional Information

FLEX 3000 HA is the long pot-life product available

Legal notice

Tips on how to use our products match the current state of our knowledge and do not imply any assumption of responsibility or/and liability for the final result of works. Therefore, customers are not exempt from the responsibility to verify the suitability of products for use and final aims through preliminary tests. The website www.nordresine.com contains the latest revision of this datasheet.

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