

VALPLAST® SPRAY

Product Description

VALPLAST SPRAY is a 100% aromatic polyurea hot spray system for waterproofing of concrete structures and protection of steel surfaces with chemical and mechanical properties.

Characteristics / Advantage

- Easy and fast application with machine.
- High abrasion and wear resistance.
- High elongation.
- High shock and impact resistance.
- High resistance to corrosion and chemical attack.
- Continuous waterproofing membrane.
- Ultra-rapid reactivity (seconds).
- Excellent adhesion to metal, concrete and foam.
- 3 - dimensional application.
- No risk to environment.
- VOC and solventfree.
- Bacteriologically stable.

Technical Parameters

Volatile Organic Compounds - VOC (g/l)	0
Viscosity (CPS) comp A/ comp B	800/750
Service temperature (°C)	-20 to 85
Max. temperature for occasional use (°C)	150
Density (g/cc)	1,12
Gel time (sec)	5
Walkable (min)	5
Full cure 100% (h)	24
Tensile strength (PSI, MPa) (NBN EN 12311-2)	3046 - 21
Elongation (%) (NBN EN 12311-2)	345 - 400
Shore A hardness	92
Shore D hardness	45
Abrasion resistance mg lost, Taber method, (1,000g/ 1,000 cycles)	26

Adhesion to concrete (dry)	≥4,03 N/mm ²
Adhesion to concrete (wet) Pull off test	≥3,06 N/mm ² NBN EN 1542
Crack bridging (fracture containment capacity at -10°C: NBN EN 1602-7)	Class B3.1
Capillary absorption (kg/m.h)	<0.02
Water vapour permeability (EN ISO 7783)	Class II (2.1 g/day/ m ²)
UV resistance - 500 h (50°C, 50 W/m ²)	Compliant
Atmospheric humidity during application	15 - 90 %
Peeling (N/mm)	70
Shear strength (N/mm)	40

**Values will vary site to site as per conditions*

How it Works?

- Clean the surface to have a good adhesion. All dust, grease, paint, and loose particles are to be removed. Apply ValplastSpray only on dry and clean surfaces. ± 1,05 kg/mm/m² (standard thickness for application is 2 mm).
- Valplast Spray is hot sprayed with a 2-component high pressure reactor. This spray coating has a very short reaction time and can be applied 3 dimensionally in layers with thickness from 1 mm to 5 mm.
- Valplast Spray can only be used by fully trained professional.

Storage

Store away from frost and heat in a dry area. It is sensitive to Humidity Storage temperature is between 5°C and 30°C. Shelf Life – 1 Year approx.

Legal Notes

All data in our product information are based on our current knowledge and experience. They do not release users from careful testing of the application and strict observation of the relevant processing regulations because of the wide range of possible influences during the application and use of our products. Legally valid assurances of specific characteristics or suitability for special purposes of application other than those provided in our documentation for the specific product cannot be inferred from our information. The recipient or processor of our products at their own responsibility must follow any protective rights or existing laws and provisions. Moreover, our general terms and conditions of sale and warranty are valid.