IN-CHEMIE TECHNOLOGY

IN-PUR 6100

Verze R0A1

WATERPROOF MEMBRANE

PRODUCT DESCRIPTION

Properties	IN-PUR 6100 is a 2-component waterproof membrane based on polyurethane resin.
Use	Waterproofing layer under the stone carpets based on IN-EPOX and IN-PUR.
Benefits	Comfortable application, very high elasticity and high ability to overbridge cracks.

INFORMATION ABOUT THE PRODUCT

Color	Component A	Yellowish liquid
	Component B	Beige liquid
Packaging	Set A+B	10kg (bucket+canister)
	Component A	6,97 kg
	Component B	3,03 kg
Shade	Cream color	
Storability	24 months from the date of manufacture in the original, intact and closed packaging.	
	The storage temperature is from +10°C to +30°C.	

TECHNICAL DATA

The content of solid particles 100% (Both by volume and weight)

Mechanical-physical properties[1)]

Stretch to breakage ~600% 7 days at +20°C

Temperature resistance

Load*	Heat
Long-term	Up to +50°C, dry
Short-term	Up to +80°C, dry and damp**

*Do not load chemically and mechanically at the same time.

**For example occasional steam cleaning.

Chemical resistance Resistant to a wide range of chemicals. Please request the chemical resistance table.

Content of VOC The maximum permissible content of VOC for the product IN-PUR 6100 is 500gl and therefore the product meets the requirements of the EU guideline 2004/42, category IIA/j typ.

Note: [1)] The values refer to the unfilled product IN-PUR 6100.

APPLICATION, CONDITIONS AND RESTRICTIONS

Consumption 1 kg/m^2

The data given are for guidance only. There is a possibility in higher consumption due to unevenness of the foundation, loss, etc.

Base IN-PUR 6100 is applied on the dried penetrating coating of IN-EPOX series materials **with a thorough silica sand fraction of approx. 0.1-0.5 mm (no smooth spots remain on the surface of the primer)** to ensure good adhesion.

If necessary, implement a test area.

Application conditions

Temperature of the base	min. +10°C, max. +25°C
Temperature of surroundings	min. +10°C, max. +30°C
Temperature of the material	min. +10°C, max. +20°C
Relative air humidity	max. 70 %
Dew point	The base and the uncured layer of the material must have the temperature of min. +3°C above the dew point.
	Avoid condensation.

The mixing of components

The mixing ratio	Component A: component B = 2,3 : 1 by weight
The mixing process	Into the component A pour component B and mix thoroughly for at least 2 minutes.
	Make sure that as little air as possible enters the mixture.
The mixing device	Electric low-speed stirrer (300-400 ot./min), or other suitable equipment.

The application process On the prepared foundation and after eventual implementation of testing area, apply IN-EPOX 6100 with a metal notched trowel (notch size according to the required consumption/thickness) and then adjust the surface with a deaeration roller, so-called crosswise.

The application method must always be tested in advance under specific application conditions.

Tool cleanliness All application tools must be kept clean. A suitable cleaning agent is technical acetone. The cured product can be removed only mechanically.

Workability

Temperature	Time
+10°C	~45 minutes
+20°C	~40 minutes
+30°C	~35 minutes

Overpainting Data for application of IN-PUR 6100 mixture to IN-EPOX 2020 penetration coating:

Temperature of the base	Minimal waiting time	Maximal waiting time
+10°C	~24 hours	3 days
+20°C	~20 hours	2 days
+30°C	~16 hours	1 day

Data for application of IN-PUR 6100 mixture to IN-EPOX 2050 penetration coating:

Temperature of the base	Minimal waiting time	Maximal waiting time
+10°C	~48 hours	4 days
+20°C	~24 hours	3 days
+30°C	~18 hours	2 days

The values given are for guidance only and may be affected by conditions of the environment.

Waiting time for next layer

Temperature	Minimal waiting time	Maximal waiting time
+10°C	~24 hours	~3 days
+20°C	~24 hours	~3 days
+30°C	~20 hours	~2 days

The maximum waiting time for the application of the next layer must not be exceeded.

The values given are for guidance only and may be affected by conditions of the environment.

Recommendation for application

IN-PUR 6100 is not completely UV stable and changes colour when exposed to sunlight.

Avoid making puddles.

IN-PUR 6100 must be protected from moisture, water and water vapor for at least the first 2 days after application.

Weather conditions can cause very slow optical ageing of the material, however this has no effect on the functionality.

Cracks in the foundation must be repaired so that they do not negatively affect the service life of the new layer.

Certain conditions can arise (high temperature combined with high mechanical loads, etc.) under which impressions can occur in the floor layer.

Use only electricity for heating. The use of gas, fossil fuels or oil is not appropriate, as high concentrations of CO2 and water vapor are released, which have a negative effect on the newly formed polymer layers.

Appendix

Information on work safety and health hazards can be found in the safety data sheet.

All data presented in this document were determined by laboratory tests. In practice, these values may differ and such possible deviations are completely out of our control.

These recommendations are based on long-term experience in the field of development and application of chemical products that have been properly stored and used. Due to the variability of application conditions and the types of foundations, the information provided, or other oral or written information, may not be a guarantee of a satisfactory result.

All recommendations submitted by IN-CHEMIE Technology s.r.o. are non-binding. The applicator is obliged to test whether the product is suitable for the intended application. The applicator must be able to demonstrate that he has provided complete information in a timely manner for a proper assessment by IN-CHEMIE Technology s.r.o. Please always check that you are working with the latest edition of the product data sheet.

All documents related to the product (technical data sheets, safety data sheets, declarations of performance, etc.) can be found on the website www.in-chemie.cz