

# IMPERMAX ACCELERATOR

RAYSTON  
products



## Curing additive for Impermax

### DESCRIPTION AND APPLICATIONS

Impermax PU membranes may need a shorter than usual curing time when intended to apply in cold and dry environments. Impermax Accelerator is a catalyst liquid formulation that can help to reduce the curing time and does not affect the Impermax final properties. Impermax Accelerator reduces the curing time, allowing for an early skin development, reducing the risk of damage by rain, slope effects, etc. It gives a dry product in few hours, with an also shortes tacking time. It is not recommended to use Impermax Accelerator when temperatures rise above 25°C, or relative humidity is high (60% or more).

### TECHNICAL DATA

#### PRODUCT INFORMATION BEFORE APPLICATION

Chemical description	Catalyst solution, in organic solvent
Physical state	Liquid
Packaging	Metal container 1 kg
Non-volatile content	3%
Flash point	23° C
Colour	Colourless
Density	0,91 g/cm <sup>3</sup> (20°C)
Viscosity	20°C, s62, 100 rpm: 3 mPa.s
VOC content	890 g/L, 97%
Pot life	4 to 6 hours (1kg, 20°C, 50% rh)
Storage	Keep at temperatures below 35°C, away from moisture and ignition sources.
Use before	6 months after manufacturing date

### RECOMMENDED ENVIRONMENTAL CONDITIONS

Do not use this product when temperature exceeds 25°C or relative humidity is more than 60%. Speeding the curing rate under high temperature and humidity conditions will lead to bubbling and surface defects.

### MIXING

No mixing precautions needed.

### MIXING RATIO

Impermax Accelerator is delivered in 1 kg- pre-dosed containers, ready to be added to 25-kg Impermax containers.

When other sizes must be used, please use the data below to calculate the amount needed:

- Impermax: 25, Impermax Accelerator: 1, by weight.
- Impermax 100, Impermax Accelerator 5,6, by volume

### MIXTURE VISCOSITY

Addition of the Impermax Accelerator lowers the viscosity of Impermax. Depending on the temperature and initial Impermax viscosity values, viscosity drop may be up to 50%.

### MIXING AND APPLICATION PROCEDURES

Pour gently the Impermax Accelerator into the Impermax and mix with a low speed stirring before use. Wait some minutes before application and use the mixture following the guidelines of Impermax.

Addition of Impermax Accelerator influences the viscosity and solids content of Impermax. Please take this into account when calculating the amount and thickness of Impermax if a final coat of 1,5-2 mm minimum is to be obtained.

### POT LIFE

Impermax Accelerator shortens the working time. The data below give a rough indication. Data for 35°C is for reference only since at such temperature Impermax Accelerator is not recommended.

Temperature (°C)	Pot life (min)
5	200
23	120
35	60

### CURING TIME

Curing time for Impermax/Impermax Accelerator 25/1 and Impermax

Conditions (°C)	Dry to touch (h)
35°C, 30% rh	1,5 h (Without Impermax Accelerator: >10h)
23°C, 40% rh	4 h (Without Impermax Accelerator: >10h)
5°C, 60% rh	15 h (Without Impermax Accelerator: >24h)

### TOOL CLEANING

Use Solvent Rayston for tool cleaning.

### QUESTIONS AND ANSWERS

Questions	Causes	Answers
What if a diferent mixing ratio is used?		Less than needed only will lengthen the curing time. Using a slight excess (<10% in excess) does not damage teh final properties, although no big reduction of curing time is to be expected. Bigger excess may iir final membrane properties and surface appearance.
Bubbling	Excess catalyst, not fit for the current ambiental conditions	Use Impermax Accelerator only when temperature and humidity conditions make it necessary.
Rain		Skin formation is faster than in Impermax. Droplet ict can create surface marks that could need repairing with a last application
Impermax Accelerator useful for other Pus?		Impermax Accelerator is not designed for other products than Impermax. It can be used for Impermax ST and Impermax Thixo. Please seek advice for application specifics.

### SAFETY

Impermax Accelerator contains flammable solvents. Always follow the instructions provided in the material safety data sheet and take the precaution described there. This product is to be used only by industrial or professional users. It is not suitable for DIY-type uses.

### ENVIRONMENTAL PRECAUTIONS

Empty containers must be handled taking the same precautions as if they were full. Containers must be considered as hazardous waste, to be transferred to an authorized waste manager. If there is some residual product in the containers, do not mix it with other substances without checking for possible dangerous reactions.



KRYPTON CHEMICAL SL

C/ Martí i Franquès, 12 - Pol. Ind. les Tàpies  
43890 - l'Hospitalet de l'Infant - Spain  
Tel: +34 977 822 245 - Fax: +34 977 823 977

www.kryptonchemical.com - rayston@kryptonchemical.com

Latest update:

05/08/2024

Page:

1/2

# IMPERMAX ACCELERATOR



## Curing additive for Impermax

### **OTHER INFORMATION**

The information contained in this Technical Data Sheet, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

We recommend to study deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests "on-site" in order to determine their convenience for a specific project.

Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

**This Data Sheet supersedes all previous versions.**



### **KRYPTON CHEMICAL SL**

C/ Martí i Franquès, 12 - Pol. Ind. les Tàpies  
43890 - l'Hospitalet de l'Infant - Spain  
Tel: +34 977 822 245 - Fax: +34 977 823 977

[www.kryptonchemical.com](http://www.kryptonchemical.com) – [rayston@kryptonchemical.com](mailto:rayston@kryptonchemical.com)

Latest update:

05/08/2024

Page:

2/2