



## ROCKERSEAL COLD POLYUREA

Cold polyurea is a two component, 100% solids polyurea system. It is developed for applications made with roller and trowel for multiple component systems. It has excellent elasticity. In addition to this quality, it has a specially formulated polymerized profile to enhance adhesion. It is an ideal product for commercial and industrial applications requiring high wear resistance and impact resistance.

### USAGE PLACES:

Industrial Floors  
 Balconies and Roofs Protections  
 Sealing of cement based surfaces  
 Bridges Tunnels

### ADVANTAGES:

Cold polyurea provides slow curing.  
 Does not make bubbling and distortion.  
 It consists of 100% solids.  
 It does not contain plastic material.  
 Contains toxic catalyts of heavy metals  
 It has excellent thermal resistance. The product never softens again.  
 Resistant to cold. The film maintains its elasticity even at -40 ° C.  
 Excellent mechanical properties; high tensile and tear strength, high wear resistance.  
 Good chemical resistance.  
 Moisture is effective in vapor transmission. The film breathes and thus prevents moisture from accumulating under the film layer.

<i>PROPERTY</i>	<i>METHOD</i>	<i>SPECIFICATION</i>
<i>BROOKFIELD</i>	<i>cP</i>	<i>ASTM D2196-86, 25 °C'de</i>
<i>Pot life</i>	<i>minute</i>	
<i>Touch Dry</i>	<i>minute</i>	–
<i>Curing Time</i>	<i>minute</i>	–

### Dry Film

<i>PROPERTY</i>	<i>METHOD</i>	<i>SPECIFICATION</i>
<i>Shore</i>	<i>Shore A Shore D</i>	<i>ASTM D2240 / DIN 53505 / ISO R868</i>
<i>Elongation at break 23 °C</i>	<i>(N/mm<sup>2</sup>)</i>	<i>ASTM D412 / DIN 52455</i>
<i>Elasticity 23 °C</i>	<i>%</i>	<i>ASTM D412 / DIN 52455</i>

### APPLICATION INFORMATION:

Surface Information: Application surface must be intact. The surface must have a compressive strength of at least 25 N / mm<sup>2</sup> and a pull-off test result of at least 1.5 N / mm<sup>2</sup>.

The age of the new concrete must be at least 28 days according to the season and the concrete surfaces should have a maximum moisture content of 5-6%. All loose, friable particles must be free of oil and paint residues, cement grout. Large fractures and defects should be repaired in advance. Concrete surface of the cement shell and bright screed, sandblasting, notching machine, diamond drum wiping machine, tools such as grinding should be cleaned and surface roughened and wiped. All types of surface should be cleaned with dust.

#### Environmental Conditions:

The relative humidity of the air should be 80% and the application temperature (environment and surface) should be between + 5 ° C and + 35 ° C.

It should not be rainy 24 hours before application and 24 hours after application.

The floor temperature should be 3 ° C above the current dew point (dew drop) temperature. (Ambient Temperature-Ambient Humidity-Condensation Temperature table from our company.)

Preparation of the mixture: Cold polyurea is a two-component product and should be prepared according to the amount of mixture to be consumed, taking into account the life of the mixture. In order to obtain a homogeneous mixture, the product temperature should not be less than 15 ° C. A component should be mixed with a mechanical mixer in a quick way and the hardener (component B) should be added, taking into consideration the mixing ratio. Components A and B must be mixed with a mechanical mixer until homogenous.

Surface Application: The mixture, which is prepared ready for application, is applied by roll or trowel so that the surface is saturated and the pores are closed. New coat application time is minimum 8 hours (20 ° C) and maximum 1 day. It is very important to apply the second layer in the new coat application period mentioned above.

Consumption Amount: Minimum consumption 1,5-2 kg / m<sup>2</sup>

Cleaning of tools: Cellulosic thinner.

#### PACKAGING INFORMATION:

A set of 12 kg ROCKERSEAL COLD POLYUREA; In a bucket, the net consists of 8 kg component A and a 4 kg component B in a gallon.

#### STORAGE INFORMATION:

Material should be stored in a cool and dry place. The life of the material is 1 year for the A and B components when stored in its unopened original package and properly stored.