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## POLYURETHANE WATERPROOF SYSTEM

### Technical Data Sheet

### Passive House Polyurethane Waterproof System

Polyurethane Based UV Resistance Water Insulation Product

### PRODUCT IDENTIFICATION

Passive House Polyurethane Waterproof System is a water insulation and coating material which is polyurethane based, one component, liquid, ready for use, high-durable and can be walked on.

### PRODUCT SPECIFICATIONS:

- ▶ It is resistant to pedestrian traffic with its mechanical resistance.
- ▶ It is resistant to plant roots.
- ▶ It is not soft in summer, it does not toughen in winter.
- ▶ It is resistant to heavy weather conditions and chemicals.
- ▶ Its adherence is high.
- ▶ It is perfectly adheres to old coatings.
- ▶ It is elastic, does not crack.
- ▶ Comfortable application with airless spray or roller.
- ▶ Resistant to water and chemical materials.
- ▶ It penetrates very well into the surfaces.
- ▶ Ready to use, liquid.

### SURFACE PREPARATION:

- ▶ The surface of the application areas should be clean, dustless, durable
- ▶ Layers decreasing adherence such as oil, grease, dirt, cement slurry, rust, form oil and efflorescence.
- ▶ Should be cleaned completely before the application.
- ▶ Possible cracks and faults on the surface should be fixed carefully with CORURM-THIN repair mortar.
- ▶ After the surface is ready, lining is applied.
- ▶ For the polyurethane coating to be applied on top, the pores on the surface must be completely closed.
- ▶ Primer can be preferred as a lining.

### APPLICATION:

- ▶ It is a ready material, does not require heating and thinning.
- ▶ The material should be applied after mixing well.
- ▶ Gloves must be used during application.
- ▶ It is applied with spray, brush or roller.
- ▶ Final curing takes place in 5 days.
- ▶ At least two layers of application must be made.
- ▶ At least 12 hours must be passed before the second application.
- ▶ Should not be applied in wet weather or at temperatures lower than (+) 5 °C.



## SUITABLE AREAS FOR USAGE:

- ▶ In horizontal terraces, roofs, balconies and parking lots.
- ▶ For the insulation of wet area.
- ▶ In the eaves trough, rebates, canalette and terrace roofs.
- ▶ To protect polyurethane foam applications.
- ▶ In water tanks, cold storages and wet areas.
- ▶ In the pools.
- ▶ In the modifications of old water insulation
- ▶ lining as a water insulation product

## STORAGE:

- ▶ Three times as much piling as can be done in original packaging.
- ▶ Keep in dry and indoor places.
- ▶ Please take necessary precautions against extreme weather conditions, water, humid and frost.
- ▶ Keep in temperatures between +10 and +25 Celsius degree and dry places.
- ▶ Faulty bucket or package should be untouched and returned.
- ▶ If the warehouse conditions are followed, storage life is 12 months.

## WARNINGS:

- ▶ New applications must be protected from rain and frost for 24 hours.
- ▶ In the applications exposed to sun rays, the thickness must be at least 1mm.
- ▶ Do not apply in the rainy, foggy and under +5°C.
- ▶ Do not apply on the frozen and wet surfaces.
- ▶ Pay attention to safety signs and warnings on the package.
- ▶ Comply with the health and safety regulation forms indicated in MSDS which have been prepared by the certified technicians and International standards for the product (EC-Directive 2001/58/EC).
- ▶ Keep under enough air conditioning level. Prevent from fire and high temperature.
- ▶ Blend well before the process. Do not keep the package open.
- ▶ During the rain and under the possibility of rain, do not apply.
- ▶ Avoid any contact with skin, eyes, and mouth and take necessary work safety procedures.
- ▶ Do not apply in the temperatures under +5°C and above +30 °C and do not use frozen material by adding water.
- ▶ Our company, Passive House, takes no responsibility for the consequences of wrong applications which ignore warnings and instructions.

## PACKAGING AND CONSUMPTION:

- ▶ Passive House is available in 25KG bucket as liquid.
- ▶ It is produced in grey color. For other colors, contact us.
- ▶ Consumption is 1.2-1.7 kg/m<sup>2</sup>. According to the application technique and the absorber of the surface, the rate of consumption is variable.

For exact consumption, controlled sample is recommended. The proportions given here are just theoretical and may be changed depending on the application techniques

## REFERENCE STANDARDS

Public Works no: 04.613/C

## TECHNICAL SPECIFICATIONS

Chemical Structure	Polyurethane Based Lining
Application Temperature	Between 5°C and 30°C
Recoating Time	(23°C) 24 hours
Application Tools	Roll-Brush-Spray
Color Type	Grey
Exact Drying Time	(23°C) 24-48 hours
Average Consumption	0,850 kg/m <sup>2</sup> (Every Layer)

