

# RECESS 710

## Polyurethane Primer, Absorbent Surfaces

### Product Description

VERLASS<sup>®</sup> 710 is a transparent, semi-rigid, deep penetrating, one component polyurethane primer. Solvent based. Cures by reaction with ground and air moisture.

### Uses

• VERLASS<sup>®</sup> 710 is mainly used as a primer for polyurethane waterproofing coatings and polyurethane joint-sealants on absorbent surfaces like:

- Concrete.
- Lightweight concrete.
- Cement screeds.
- Wood, etc.

It can also be used as a surface stabilizer of old and brittle concrete surfaces.

### Consumption

0,15 -0,20 kg/m<sup>2</sup> in one layer.

This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

### Technical Data

Composition	Polyurethane Pre-polymer, solvent based
Resistance to water pressure	No Leak (1m water column, 24h)
Adhesion to concrete	2,2 + 0,2 N/mm <sup>2</sup> (concrete failure)
Hardness (Shore A Scale)	>95
Application temperature	5°C to 35°C
Tack Free Time	2-3 hours
Light Pedestrian Traffic Time	12 hours
Final Curing time	4 days
Density	1.00 gr/cm <sup>3</sup>
Solid Ratio	65.3 %
Potassium Hydroxide 20% +	Sodium hydroxide 20% +
Ammonia 10% +	Sulfuric acid 10% +
Hydrochloric acid 10% +	Sea water +

# RECESS 710

## Polyurethane Primer, Absorbent Surfaces

Benzene + Domestic detergents + Diesel oil +  (+ Stable, - Not stable, ± Stable for a short period)	Toluene + Dichloromethane – N-methyl pyrrolidon (brake fluid) -
--	---

### Application

**Surface Preparation** The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the primer. Maximum moisture content should not exceed 5%. New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces and grinding dust need to be thoroughly removed.

**WARNING:** Do not wash the surface with water.

**Priming** For best results, the temperature during application and cure should be between 5 °C and 35 °C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

Apply the RECESS®

710 by roller or brush, until the surface to be primed, is covered. For larger surfaces, airless spray application is possible. After 2–3 hours (not later than 4 hours) and while the primer is still a bit tacky, apply the polyurethane waterproofing coating or the polyurethane joint-sealant.

**RECOMMENDATION:** If the surface is very brittle, like lightweight concrete or perlite screed, apply two layers of the RECESS® 710.

### Advantages

Simple application (roller or airless spray).

- Excellent anchoring to the surface of absorbing surfaces.
- Quick curing.
- Provides enough elasticity to follow surface movements.

# RECESS 710

## Polyurethane Primer, Absorbent Surfaces

- Stagnating water and frost resistant.
- Chemical resistant against oils, grease, moisture, chemicals and other liquid dirt staining.

### Packaging

RECESS® 710 is supplied in 17 kg and 5 kg pails.

### Storage

Pails should be stored in dry and cool rooms for up to 9 months. Protect the material against moisture and direct sunlight. Storage temperature: 5° -30 °C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

### Cautions / Limitations

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.

### Health and Safety

**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from VERLASS Company. Please contact with technical service department for further information and support.