

ExperPrime PP 20

COLOR: Transparent**20**
±%2 KG**Packaging Options**

20 kg/metal bucket

5 kg/metal bucket



POLYURETHANE BASED, SINGLE COMPONENT, SOLVENTBORNE WATERPROOFING PRIMER

Polyurethane based, single component, solventborne, low viscosity, colorless waterproofing primer.

**PROVIDES
HIGH BONDING****FLEXIBLE****FILL THE
CAPILLARY GAPS**

TECHNICAL SPECIFICATIONS

Chemical Structure	Polyurethane, liquid
Mixture Density	1,00 kg/liter (± 3%)
Viscosity	100-200 mPa.s
Solid Content	~60 % (± %3)
Shore A Hardness	7 days: 70-80 (ASTM D2240-05)
Bond Strength	7 days: >3 N/mm² (Concrete) (ASTM D7234)
Elongation at Break	7 days: > 1.000 % (ASTM D638)
Full Curing Time	7 days

All technical values are calculated at +23°C and 50% relative humidity.
Changes in temperature and humidity change the technical values.

ADVANTAGES

- Easy to apply.
- Low viscosity.
- Provides high bonding.
- Fills capillary cracks.
- Flexible. It has crack bridging properties.
- Cured with moisture in the air.
- Maintains its flexibility even at low temperatures.
- Contact with water is not harmful.

APPLICATION AREAS

Used as a primer:

- Indoors and outdoors,
- On many absorbent and non-absorbent surfaces such as concrete, plaster, metal, wood, etc,
- Terraces, roofs and balconies,
- Under ceramic applications in wet areas such as bathrooms and kitchens,
- Prior to polyurethane waterproofing applications.

SURFACE AND APPLICATION CONDITIONS

- If the application surface is concrete, the compressive strength of the surface must be at least 25 N/mm² and the (pull off) strength of the concrete must be at least 2,0 N/mm².
- The floor concrete must be cured and the moisture content of the concrete must not exceed 4%.
- The floor temperature must be not less than +8°C and at least +3°C above the condensation point.

Primers

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Technical Information Form

- Air temperature should be between +10°C and +30°C during application.
- Relative humidity should not be more than 80% and surface temperature should be between +8°C and +30°C.
- The floor temperature must be at least +3°C above the condensation point.
- Do not apply on wet, high humidity, frozen surfaces and surfaces with insufficient waterproofing.

SURFACE PREPARATION

- The application surface must be dry. It should be cleaned from dust, dirt, paint, oil and similar substances that will reduce adherence. Eyelet gaps should be filled. Oil-soaked surfaces should be cleaned with chemical cleaning agents and then the surface should be cleaned once more with a water jet. Any puddles remaining on the surface should be removed with vacuum cleaners.
- Damaged parts, unstable surfaces and cracks should be repaired with the appropriate ExperRepair product.
- The cleaned surface should be prepared with a suitable mechanical blasting method such as grinding, sandblasting or sanding and a rough surface should be obtained. The dust formed after mechanical cleaning should be swept with the help of industrial vacuum cleaners.
- If there is any doubt about the surface, a trial application should be made.

PREPARATION OF MIXTURE

- Before mixing, make sure that the material temperatures are between +10°C and +30°C.
- The material at the appropriate temperature is mixed with a low speed mixer for a short time and made ready for use.
- Mixing for too long and at high speed should be avoided to minimize air entrainment.
- Do not add solvent, thinner etc. into the mixture during application.

APPLICATION DETAILS

- After the mixture is completed, ExperPrime PP 20 is applied to the surface with a roller brush or brush.
- Ensure that the surface is completely covered and a non-porous coat is formed.
- Two coats should be applied if necessary.
- Waiting time between coats is minimum 10 hours and maximum 48 hours at +23°C. If more than 48 hours have elapsed, the surface should be roughened with sandpaper.

WARNINGS

- Do not apply in weather conditions below +10°C, above +30°C, in rainy and/or windy weather. If necessary, the ambient humidity and floor temperature should be optimized with the help of heaters and dryers.
- Opened product should be consumed within 1-2 hours.
- In case of the need to heat the application area; gas, oil, paraffin or similar fossil fuel heaters should not be used. Only electric heating systems that blow warm air should be used.
- Curing times of polyurethane resin based products vary depending on ambient conditions. The duration of the chemical reaction varies and so does the working time. Therefore, attention should be paid to these details during application. Under low temperature conditions, the chemical reaction slows down and the working time between layers increases.
- The surface should be protected from direct contact with water for at least 48 hours after the application is completed. Otherwise, carbonation and softening will occur in the area in contact with the water, which will cause the coating to lose its properties. If such a situation occurs, the entire coating should be removed from the floor and the surface should be made ready for reapplication and the application should be carried out again by following the same steps.
- Epoxy and polyurethane based polymeric systems should be applied by specialized applicators.

CONSUMPTION

- 150-300 g/m²

EQUIPMENT CLEANING

- Equipment should be cleaned with solvent immediately after use. Cured material can only be cleaned by mechanical means.

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STORAGE AND SHELF LIFE

- Should be stored in its unopened original packaging, in a dry environment, protected from frost, between +10°C and +30°C. Products should not be overloaded in a way to damage their packaging.
- Shelf life under appropriate storage conditions is 12 months from the date of production. Products in opened packages should be stored under appropriate storage conditions and consumed within 1 week at the latest.

SAFETY PRECAUTIONS

During use, work clothes, protective gloves and masks should be used in accordance with the rules of Occupational and Labor Health. Uncured material may have an irritating effect. Therefore, eye, mouth and skin contact should be avoided and the contact area should be washed with plenty of water.

In more dangerous situations or in case of ingestion of the product, a specialist doctor should be consulted immediately. Food and beverages should not be brought into the application areas. Keep out of the reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

PRODUCT LIABILITY

Güven Madencilik İnş. San. ve Tic. A.Ş., is only responsible for the quality of EXPERAS branded products. All data presented are the result of practical and scientific studies. The manufacturer cannot be held responsible except for the use of the correct products in appropriate areas and conditions.

LEGAL NOTES

The information and recommendations for the use of EXPERAS branded products are provided in good faith based on technical knowledge and experience, provided that they are maintained and handled under normal conditions and in accordance with the recommendations. Along with the products, the areas of use and surfaces may vary widely. It is necessary to ensure that the correct EXPERAS branded products are applied on appropriate surfaces and under appropriate conditions. In addition, all information and instructions regarding commercial factors and technical conformity must be strictly followed. The manufacturer cannot be held responsible for any damages and problems that may occur if not complied with. The applicator/user is obliged to make the relevant checks to ensure these details. The specifications of EXPERAS branded products may be changed when necessary. The property rights of third parties must be respected. When the order is confirmed, all existing technical conditions are essential for sales and transportation.

REFERENCE STANDARDS: TS EN 1504-2

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