

ExperProof HP 10

COLOR: Transparent

20
±%2 KG

Packaging Options

20 kg/Metal Bucket

3 kg/Metal Bucket

1 kg/Metal Bucket



Waterproofing Materials

800120

GÜVEN MADENCİLİK İNŞAAT SAN. ve TİC. A.Ş.

ALIPHATIC POLYURETHANE BASED, SINGLE COMPONENT, WATER BASED, UV RESISTANT, TRANSPARENT WATERPROOFING MATERIAL

Aliphatic Polyurethane based, single component, low viscosity, water based, moisture curing, UV resistant, ready to use, transparent waterproofing material.



UV
RESISTANT



CRACK BRIDGING
PROPERTIES



HIGH ELASTIC

TECHNICAL SPECIFICATIONS

Chemical Structure	Modified Aliphatic Polyurethane, Transparent liquid
Appearance	Transparent
Density (EN ISO 2811-1)	1,00 gr/cm ³ (± %3)
Viscosity (EN ISO 2555)	400-1.200 mPa.s
Shore A Hardness (EN ISO 868)	7 days: >55
Solid Matter Ratio	~ 71 % (± %3)
Adhesion Strength (EN 1542)	7 days: >1,00 N/mm ² - Concrete/Metal/Glass/ Glazed Ceramic/Wood Surface
Elongation at Break (EN ISO 527)	7 days: > % 300
Water Vapor Permeability (ASTM E96)	0,8 Gr/m3.h
Dry-to-touch Time	4-6 hours
Re-coat Time	8-24 hours
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

- Low viscosity.
- Easy to apply.
- Applied without primer.
- Provides high adherence even on damp surfaces.
- Cures in a short time with the humidity of the air.
- Seamless water and moisture insulation.
- Due to its transparency, it allows waterproofing without changing the appearance of the subcoating.
- Provides a glossy appearance to the surface after application.
- Thanks to its flexible and elastic structure, it has crack bridging properties.
- Allows the surface to breathe.
- Suitable for light pedestrian traffic.
- UV resistant. No cracking or yellowing.
- Solvent and isocyanate free.
- After curing, it retains its elasticity even at low temperatures. Resistant to thermal shocks.

SCOPE OF APPLICATION

- Indoors and outdoors,
- Horizontal and vertical surfaces,
- Balconies, terraces and camellias with light pedestrian traffic,
- Porches, rain gutters and hidden streams,
- Surface cracks in sheathing systems,

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- Concrete, plaster and screed surfaces,
 - Mineral surfaces such as natural stone, marble, granite etc,
 - Mosaic, tile mosaic, glazed tiles and ceramic surfaces
 - Glass, glass bricks, steel, aluminum, sheet metal, wood, parquet,
- Used as waterproofing material.

SURFACE AND APPLICATION CONDITIONS

- 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.
- The temperature during application should be between +10°C and 35°C.
- Relative humidity should not be more than 80% and the surface temperature should be between +8°C and +30°C.
- Do not apply to wet, high humidity or frozen surfaces.

SURFACE PREPARATION

- The application surface should be cleaned from dust, dirt, paint, oil and similar substances that will reduce adherence.
- Damaged parts, unstable surfaces and cracks should be repaired with the appropriate ExperRepair product.
- If there are joint gaps on the application surface, these gaps should be filled.

PREPARATION OF THE MIXTURE

- Before mixing, make sure that the material temperatures are between +10°C and +35°C.
- The material at the appropriate temperature is made ready for use by mixing at low speed with the help of a mixer for a short time.
- Mixing for too long and at high speed should be avoided to minimize air entrainment.
- Solvent, thinner etc. should not be added into the material during application.

APPLICATION DETAILS

- ExperProof HP 10 should be applied to the surface with a roller or brush in at least two coats.
- It should be ensured that the surface is completely covered and a non-porous coat is formed.
- Application coats should be applied to the surface perpendicular to each other.
- The waiting time between coats is 8-24 hours, depending on ambient conditions.
- If deemed necessary, a third coat can be applied.
- After the application, the surface can be opened for use within 24 to 48 hours depending on the ambient conditions.
- On highly absorbent surfaces such as concrete, screed and wood, ExperPrime PP 21 must be applied with polyurethane primer before application.

WARNINGS

- It should not be applied in weather conditions below +10°C and above +30°C.
- Experproof HP 10 is ready to use. Do not add external thinners such as water or solvents.
- After application, the surface should be protected from water, rain, dew, frost and snow until it is completely dry.
- Curing times of modified polyurethane resin based products vary depending on the 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 inter-coat working time increases.
- Experproof HP 10 is a single-component polyurethane sealant curing with air humidity. The product in the opened package will quickly form a film on the surface due to the effect of moisture. Therefore, the opened package should be consumed within 1-2 hours.

CONSUMPTION

- 200-350 g/m² (in a coat)

EQUIPMENT CLEANING

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

STORAGE AND SHELF LIFE

- It should be stored in its unopened original packaging, in a dry environment, protected from frost, between +10°C and +30°C. The products should not be overloaded in a way that would damage their packaging.
- Shelf life under proper storage conditions is 9 months from the date of manufacture.

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SAFETY PRECAUTIONS

During its use, work clothes, protective gloves and masks should be used in accordance with the Occupational and Occupational Health rules. Uncured material may have an irritating effect. For this reason, contact with eyes, mouth and skin should be avoided and the contact area should be washed with plenty of water. In more dangerous situations or if the product is swallowed, a specialist should be consulted immediately. Food and beverages should not be brought into the application areas. It should be kept out of reach of children. For detailed information, the Safety Data Sheet (MSDS) should be consulted.

RESPONSIBILITY

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

LEGAL NOTES

The information and usage recommendations regarding EXPERAS branded products are presented in good faith in the direction of technical knowledge and experience, provided that they are kept and intervened under normal conditions and in accordance with the recommendations. Along with the products, areas of use and surfaces can differ a lot. It is necessary to ensure that the right EXPERAS branded products are applied on the appropriate ground and conditions. In addition, all information and instructions given on commercial factors and technical compliance must be strictly followed. The manufacturer cannot be held responsible for any damage or problem that may occur if it is not complied with. The applier/user is responsible for making the relevant checks to ensure these details. The specifications of EXPERAS branded products can be changed when necessary. The property rights of third parties must be respected. When the purchase order is confirmed, all technical conditions in terms of sales and shipping are essential.

REFERENCE STANDARDS: TS EN 1504-2

HEADQUARTER:
Ege Perla B Kule Kat: 23 No: 231/232
Konak - İzmir / Türkiye
T: +90 (232) 422 03 93

FACTORY:
Salihli OSB 302 Cadde No: 2
Salihli - Manisa / Türkiye
T: +90 (276) 234 00 15

NETHERLANDS SALES OFFICE
EXPERAS B.V.
Gouke Boelensstraat 120 9203 RS Drachten

UK OFFICE:
Okka Global LTD, 62 Malvern House,
2 Palmer Road, SW11 4GJ, London / England
T: +44 (7880) 802 123

www.experas.com

info@experas.com

experas

@experas

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MADE IN TÜRKİYE

