

ENDUROOF

EnduRoof is a unique 1 component membrane, which has proven to be an excellent waterbarrier for many different substrates.

It is available in white, grey, black and many different colors, including aliphatic UV resistant colors.



DESCRIPTION

EnduRoof is a one component (aliphatic) polyurethane fluid which cures with the humidity in the atmosphere. It produces a highly elastic membrane with strong adhesion to many types of surfaces. It contains a small percentage of xylene, and may be thinned with xylene if necessary. It is based on pure elastomeric hydrophobic aliphatic polyurethane resin plus special inorganic fillers, which result in excellent mechanical-, chemical-, thermal-, UV- and natural element resistant properties.

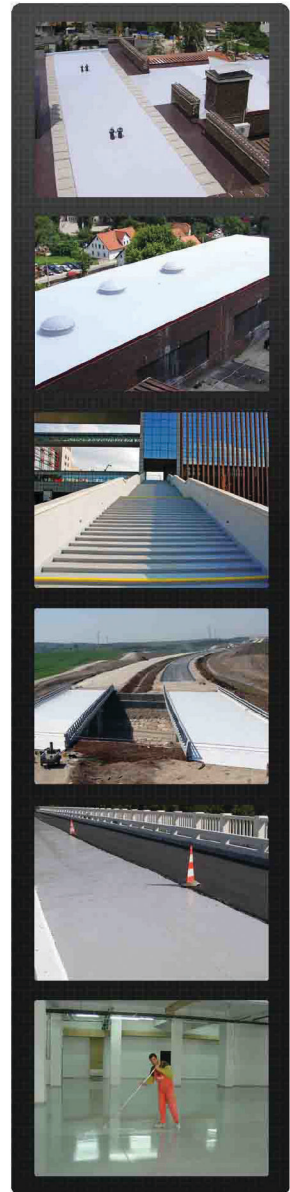
BENEFITS

- Excellent adhesion to almost any type of surface, with or without the use of special primers.
- No thinning is required but xylene may be used.
- Excellent weather resistance.
- Excellent thermal resistance, the product never turns soft.
- Max service temperature 80 ° C, max shock temperature 200 ° C
- Resistance to cold: the film remains elastic even down to -40 ° C
- Excellent mechanical properties, high tensile and tear strength, high abrasion resistance.
- Good chemical resistance.
- Non-toxic after full cure.
- Water vapor transmission: the film breathes so there is no accumulation of humidity under the coat.
- Special primers available for almost any substrate.
- Special additive, like ACCELERATOR, is available.

USES

Waterproofing and protection of:

- tiles
- gypsum and cement boards
- polyurethane insulation foams
- bathrooms
- verandas and balconies
- roofs
- light roofing made of metal
- Fibrous cement
- asphalt membranes
- EPDM membranes
- tanks
- car parks and stadium stands
- bridge platforms
- irrigation channels.



APPLICATION

EnduRoof can be successfully applied on: Concrete, fibrous cement, mosaic, cement roof tiles, old (but well adhered) acrylic and asphalt coats, wood, corroded metal, galvanized steel. For information about other substrates, please contact our tech department. Apply with brush, roller or airless spraying in two, at least, coats with minimum total consumption of 1.2-1.7kg/m².

PHYSICAL DATA

- Viscosity (Brookfield): 3000 - 6000 PCF
- Specific weight: 1.3 - 1.4 Gr/ m³
- Flash point: 42 °C
- Tack free time 77 de (25°C) & 55% RH: 6 hours
- Recoat: 6 - 24 hours
- Service temperature (Shock): 150 °C
- Hardness: 70 Shore A
- Tensile strength at break at 23°C: 55 (5.5) Kg / cm² (N/mm²)
- Water vapor transmission: 0.8 Gr/m²/hr
- % elongation at 23 °C: > 600 %
- % elongation at -25 °C: > 450 %
- Thermal resistance (100 days at 80°C): Passed
- Adhesion to concrete: > 20 (> 2) kg / cm² (N/mm²)
- Tensile test after 300% elongation: < 3 %
- QUV ,accelerated weathering test (4hrs UV, at 60 °C (UVB - lamps) & 4 hrs Cond at 50°C: after 2000 hours
- Hydrolysis (8% KOH, 10 days at 50°C): Unaffected

PROJECTS



Stadium - Greece



Stadium - Greece



Bridge - France



Bridge - France