



Waterproofing membrane for flat non-walkable roofs
One-pack polyurethane elastomer base
Flexibility, resistance to crushing and tearing
Ready-to-use

PURPOSE Soft waterproofing membrane of the Liquid Waterproofing System (LWS) for flat non-walkable roofs (except Maintenance works):

- * reinforced or prestressed concrete flat roofs
- * corrugated or ribbed galvanised steel sheet dry roofing and figured metal foil (copper, aluminium, zinc)
- * ancillary works, such as eaves gutters, valley gutters, metal or concrete gutters, abatement roofings, parapet covers, etc.
- * renovation of bituminous waterproofing membranes self-protected or protected with aggregates (prevents, in most cases, the membrane installed from being torn off)

ULTRACOAT is applied in undercoat + finish system over an imprinted surface (ULTRACOAT SOUS-COUCHE + ULTRACOAT FINITION). It is subjected to a specific technical file NB.: ULTRACOAT can be used as anti-UV protective membrane for rigid polyurethane foams projected on site over non-walkable roofing. In this case, the protection is applied in two coats of ULTRACOAT FINITION (without its undercoat)

SURFACES Concrete and derived products
Ferrous and non ferrous metals
Bituminous coatings, asphalt (specific study)
Rigid polyurethane foams with more than 95% closed cells and minimum 55 kg/m³ density (preliminary study)
Rigid plastic accessories

MAIN FEATURES

- * One-pack ready-to-use products
- * Great use versatility
- * Excellent resistance to flowing
- * Good flexibility even at low temperature
- * Good resistance to UV rays and weathering
- * High resistance to abrasion, tearing, crushing
- * Quick insensitivity to water
- * Fungistatic quality
- * Waterproof works, without overload or excessive thickness
- * Quick and easy application
- * Suitable to complex surfaces or of difficult accessibility
- * Continuous seamless or jointless protection

IDENTIFICATION In accordance with official standards or, if none applicable, with internal standards

CHARACTERISTICS For both products

Aspect Semi-fluid paste

Dry matter * in weight: 70 ± 2 % (SOUS-COUCHE) / 72 ± 2 % (FINITION)
* in volume: 56 ± 2 % (SOUS-COUCHE) / 59 ± 2 % (FINITION)

Density 1.13 ± 0.05 (SOUS-COUCHE) / 1.14 ± 0.05 (FINITION)

Flash point Below 21°

VOC concentrations Max. 337 g/l for both products.
EU threshold value for these products (cat A/i): 500 g/l

Dry time Sheltered from rain: ca. 1 hour
(20°C, 65 % RH) Between coats: 24 to 72 hours. Beyond this, revive the surface with DILUANT R
Ambient humidity accelerates the drying process

Coverage 1.7 sqm/l per coat over even surface for both products (700 g/sqm/c)
To be increased depending on structure and extended surface
Significant overconsumption to be taken into account for projected polyurethane foam protection (0.8 to 1 sqm/l/c depending on structure, therefore 1100 to 1500 g/sqm)

Classification NF T36-005: Family I class 6a

USE Surfaces, preparatory work and application conditions must comply with applicable standards/DTU (French standards).

In any case and for further details, refer to the specific technical file

BASE PREPARATION Bases must be sound, dry, cohesive and consistent with the product application. They must be free from old paint or coating (except if favourable prior study)

Any surface's roughness which may be harmful for the coating's regularity must be eliminated

The preparation must be adapted to the type and condition of the surface in order to remove all chipped, friable or non-cohesive parts and any product incompatible with the subsequent treatment. For further details, refer to the selected primer's Technical Data Sheet:

* All classical building surfaces: PRIMAIRE SOL 100 / SOL 200

* Rigid polyurethane foam: must be waterproof, perfectly adherent to its surface and its "skin" must show coherent and uniform structure

. New bases: must comply with applicable standards. Respect the degassing time prescribed by the manufacturer. Direct application of ULTRACOAT FINITION

. Old bases: polluted and/or partially damaged by UV radiation.

Planing, vigorous cleaning with a bass broom to remove non-cohesive parts and soiling of all kinds until recovering a coherent structure, vacuum cleaning, PRIMAIRE SOL 200 impression

Punctual traitement * Reinforce cracks, angles, joints of salient elements, turn ups and all particular points in general with an ULTRATEX reinforcement tape stuck to the THIXOREV, before complete treatment (\pm 500 g/sqm)

PRODUCT APPLICATION

Process * Waterproofing procedure:

1 coat ULTRACOAT SOUS-COUCHE (700 g/sqm or 1.7 sqm/l)

+ 1 coat ULTRACOAT FINITION (700 g/sqm or 1.7 sqm/l)

Process by regular cross-coat to avoid punctual insufficiency of the protection (global dry thickness of the coating in every point > 1.0 mm)

* Protection of the rigid polyurethane foams: 2 coats ULTRACOAT FINITION by airless application, making sure that the surface's irregularities are perfectly covered.

Consumption: 1 100 to 1 500 g/sqm/c depending on structure

Equipment Long pile roller, brush, airless (over rigid polyurethane foam)

Dilution * Ready-to-use products for manual application

3 to 5 % of DILUANT R or REX in mechanical application over old porous bases

Equipment cleaning Use preferably disposable equipment. Otherwise, DILUANT R or REX, immediately after use

Practical advice * Application conditions:

. Ambient and surface temperature above 5°C (caution if T > 35°C)

. Relative humidity below 90 %

. Dry and condensation-free surface

. Sheltered from strong winds and direct sunlight

* Respect the recoat time between layers

* Take the necessary steps to avoid potential condensation phenomena in roof underlay (such as ventilation)

COLOURS ULTRACOAT SOUS-COUCHE: Light grey

ULTRACOAT FINITION: factory-made ROOF colour chart (beige, sand-coloured, aluminium grey)

PACKAGING 4 L - 16 L for both products

CONSERVATION 6 months in unopened original packaging

Store in a dry, cool and ventilated room

Use rapidly the opened packs

HEALTH AND SAFETY

Refer to:

* The safety information label on the packaging

* Safety Data Sheet (Fiche de Données de Sécurité) on the INTERNET: www.zolpan.fr

Technical Data Sheet n° 2155

Issue date: January 1995

Last modified: June 2012

NB: Cancels and supersedes previous editions. It is our customers' responsibility to check that they have the latest version before using the product.

The information given in this sheet only has an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.

