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EXTRALARGE (Waterborne elastomeric bituminous membrane)

technical data sheet

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Approval to use Extralarge as a waterproofing product by "Agence de Controle Technique International APAVE" with protocol N.Ref:MMF/KCF. Affaire 37/2014-14119

Approval of the use of Extralarge as a waterproofing product by ISTITUTO PER POLIMERI, COMPOSITI e BIOMATERIALI of the CNR National Research Centre N° 1A110L/15.

1. IDENTIFICATION OF THE SUBSTANCE/COMPANY

Trade name: EXTRALARGE (Liquid bituminous elastomeric water-based sheath)
Additional designation: Waterproofing paste, elastic, based on synthetic rubbers and bitumen emulsion.
Manufacturer : Cimar Produzione Surl with plant in Salerno at via Mecio Gracco 8H/8I.
Telephone number also for urgent calls: Tel +39 089 302418

2. CHARACTERISTICS AND USES

Extralarge is the waterproofing par excellence. Special macromolecules make the dried product highly impermeable and particularly elastic. It is used to waterproof any type of support: concrete, wood, etc.; used both vertically and horizontally, both in view and against the ground. It is effective for gluing vertically and horizontally any panel, on supports that allow perspiration. Promotes the restoration, renovation and repair of old waterproofing deteriorated. It is suitable for gutters and sheets.

Resists waterlogging
Repair old waterproof coverings
Adheres to all types of materials
Replaces bituminous membranes in rolls
Resists low and high temperatures
It has been awarded the CE mark.
Anti-root version on request.

3. IDENTIFICATION CHARACTERISTICS OF THE LIQUID PRODUCT

Appearance: thixotropic paste
Specific gravity = $1.1 \pm 0.05 \text{ kg/dm}^3$
Dry residue = $70 \pm 5\%$
Viscosity at 23°C = thixotropic gel
VOC content as required by Legislative Decree No. 161 of 27/05/2006: 140 g/l of product ready for use.
VOC content of the product: 15 g/l of ready-to-use product

4. DRYING OR HARDENING TO 23°C AND 50% UR

To the surface: 30 ' To the touch: 1 hour To the depth: 4 hours

5. CHARACTERISTICS OF THE DRIED PRODUCT

Adhesion test: 5 Kg/cm^2 .
Cold flexibility: $1.8 \text{ mm} - 20^\circ \text{C}$
Elongation at break : $\phi 1.25 \text{ mm} \quad 1000 \%$

6. EQUIPMENT

Apply by brush, brush, spatula, roller or airless spray.

7. APPLICATION SUPPORT

The substrate to be treated must be free of water stagnations that would dilute the product. EXTRALARGE must be applied on clean surfaces that must not be dusted; the substrate must not be wet and must not have crumbly and non-adherent parts. On damp substrates, in order to avoid the formation of bubbles, it is necessary to apply suitable exhalators to eliminate the condensation that forms under the waterproof covering (1 exhalator every 50m²). It is essential to perfectly clean the substrate to be coated and then use a suitable primer, i.e. by diluting EXTRALARGE by 20-30% and applying it like a paint, 250 gr. per sqm. For all applications on reinforced concrete or similar surfaces, where the presence of metal normally produces micro cracks every 4/5 meters, the use of polyester reinforcement is always required. When rehabilitating old waterproofing products with bituminous membranes on rolls with significant cracks, EXTRALARGE cannot be used without the reinforcement. To avoid unsightly micro-injuries and to always have optimal workability, it is advisable to refrain from applying the product during the sunniest hours of the day.

8. INSTRUCTIONS FOR STORAGE

Storage temperature: 5°C ÷ 30°C
Stability in original packages : 12 months
Packing : 1.5 Kg - 5 Kg 10 Kg - 18 Kg

9. WARNINGS

Mix EXTRALARGE thoroughly before use.
EXTRALARGE in its packaging fears frost and once ice cream is no longer recoverable.
Do not apply in adverse weather conditions as the product may be washed by rainwater.
Clean the tools first with water and then with the most common solvents such as mineral spirit or trieline.
It's a product that contains water, so it is sensitive to frost and rain in its packaging.
Before starting the application it is very important to check the weather conditions to avoid it raining on the product just applied.
In summer, the application on all surfaces, and in particular on metal surfaces, should be done in the early morning excluding the afternoon hours that are too hot.
Do not apply EXTRALARGE with temperatures, even at night, lower than +5°C.
It is sufficient for the product to dry for at least 24 to 48 hours to withstand the rain. The waterproofing made with L'EXTRALARGE cannot be considered a walkable covering, it can be stepped on only sporadically for maintenance operations.
The waterproofing made with L'EXTRALARGE must mature for at least 20 days in applications that are in direct contact with water such as tanks, cisterns, etc. etc. and also when it is covered by something that can slow down the evaporation of water contained in its formula such as the earth in flower pots, concrete squares in floating floors, gravel ballast in flat terraces, etc. etc..

10. MODALITA' D'USO

It is essential to take into account that for all applications on reinforced concrete or on any type of slab where there is the presence of metal, micro cracks form every 4-5 meters, which always require the use of a polyester reinforcement to reinforce EXTRALARGE.

The reinforcement to be used for Extralarge is a non-woven polyester tissue POTENZIO supplied by Cimar Produzione srl, used for visible waterproofing and for waterproofing to be covered with a tile floor or a cementitious screed.

Before application it is recommended to dilute the product with 5% of water and mix very well, because in its Extralarge package it looks like a very thick thixotropic paste.

Consumption:

On cement surfaces about 2.3 kg/m² applied in two coats 24 hours a day with the polyester reinforcement POTENZIO.

On old bituminous membranes 1.5 - 2 kg/m² laid in two coats at 24 hours from each other with non-woven reinforcement POTENZIO.

On metal surfaces 1.5 kg/m² applied in two coats at 48 hours from each other.

In order to increase the durability of the EXTRALARGE laid on site and exposed to atmospheric agents, we always recommend painting it after 48 - 72 hours with our water-based protective coatings such as COVERGOLD, after 15 - 20 days with our BRILLO or SILVERTOP aluminium paint solvent.

The standard application with POTENZIO tissue involves a first coat, gluing fabric, with a consumption of 300-500 gr/sqm; immediately after the application of the product (you must not wait for the drying) glue the reinforcement making sure that it adheres to homogeneous impregnating. After at least 24 hours, apply the two coats of Extralarge, always spacing them with the usual drying period of 24 hours.

The Potenzio fabric in the roll version, 1m high and 100m long, is ideal for reinforcing exposed waterproofing using the Extralarge system.

When using Extralarge for repairs to old bituminous membranes, in particular when repairing the welding of sheathing sheets or when repairing parts of perforated sheet metal and the joints of the sheets themselves, we recommend Potenzio tissue in 20 cm high coils, 50 m long.

The Potenzio strip, consisting of a rubberized polyester joint cover, is recommended to ensure the waterproof seal of the connection angles between the horizontal and vertical surfaces in the Extralarge application system.

Proceed as follows to glue the floor above the Extralarge:
for small areas:

Apply two coats of product, average overall consumption 1.5 kg per square metre; glue our Potenzio tissue on the dried product with consumption of 300-500 g per square metre; after 2/3 days, after drying, glue the covering. for large surfaces: (one side more than three ml), glue the Potenzio tissue, with a consumption of 300-500 gr per sqm of Extralarge. Then apply the usual two coats of Extralarge with a total consumption of 1.5-2 kg per square meter. After drying, glue the second layer of reinforcement tissue using Extralarge adhesive, with a consumption of 300-500 g/m².

On the walls against the ground.

The surface to be treated must be well cleaned and any holes must be closed using Extralarge with the trowel closing the pores. Any joints must be reinforced with the application of non-woven polyester tissue POTENZIO that will be glued to the cementitious surface. On the surface thus treated you can proceed with the application of the first coat of Extralarge spread with a roller. At least 24 hours after the application of the first coat, it is possible to apply the second coat of Extralarge, always spread with a roller in a ratio of about 1 kg/m².

. The waterproofing of the wall against the ground made with the Extralarge must be protected from backfill gravel using the classic plastic support rusticated rolls (such as Guttabeta, Platon, Fondaline, Delta MS etc..) or polystyrene panels.

On old bituminous membranes.

If you need to renovate an old bituminous sheath that does not have losses and only has cracks due to aging, we recommend applying 1 or 2 coats of Extralarge spread with a brush or roller at a distance of at least 24 - 48 hours from each other with a consumption of 1 - 1.5 kg/m².

If you need to restore the waterproof seal between one sheet of sheath and the other, act only on the welds by gluing with 500 gr/sqm of Extralarge the polyester tissue POTENZIO 20 cm high and then immediately spread an abundant coat of extra-large to complete saturation of the thickness of the polyester tissue with a consumption of 1 kg per square meter.

If the waterproofing of an old sheath has to be completely reworked, it is not necessary to remove it, but it is necessary to act as follows: clean well the surface to remove the dust, and the detached parts of the sheath, then glue on the old sheath with Extralarge the polyester tissue POTENZIO in height 1m overlapping one sheet on the other at least 10cm (as is normally done with bituminous sheaths) and at a distance of at least 24 - 48 hours you will spread an abundant coat of Extralarge to complete saturation of the thickness of the polyester tissue with a consumption of about 1 kg/m². Continue like the other coat of Extralarge when the first coat is dry with a consumption of 1 kg/sqm.

On metal surfaces.

You must be sure to remove all rust when detaching and all dust.

If the metal surface has holes due to wear and rust, these should be repaired using the non-woven polyester tissue POTENZIO and Extralarge. A first coat of Extralarge is applied by brush or roller on a well cleaned and repaired metal surface at a rate of about 700 g/m². Continue as the other coat of Extralarge to dry the first coat with a consumption of 700 g / m².

FOR THE REHABILITATION OF AN OLD FLOOR

Remove the skirting board and clean the terrace thoroughly to remove soil, dust or loose parts.

- 2) Repair any missing parts using a cementitious mortar.
- 3) To ensure the tightness of the system in the angle of connection between the terrace and the vertical walls, glue with Extralarge the rubber polyester tape half on the horizontal surface and half on the vertical walls as to form a stool, then you can proceed to the application of the first coat of Extralarge applied with a roller or brush in a ratio of 1 kg / m². After at least 24 hours from the application of the first coat you can give the second coat of Extralarge always at a rate of 1 kg / m².
- 4) To be able to apply the tiles on the waterproofing carried out with Extralarge, the polyester tissue POTENZIO must always be glued using 500 g / m² of Extralarge.
- 5) After a few days you can glue the tiles on the tissue POTENZIO using a good glue for outdoor use.

- ☐ New floor
- ☐ Tile glue
- ☐ non-woven polyester tissue POTENZIO
- ☐ Liquid elastomeric bituminous membrane
- ☐ Old flooring



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