



### PURPOSE

Woven fibreglass mesh treated against the action of alkali, to be incorporated in the rendering so as to improve its mechanical resistance and to guaranty a regular continuity of the rendering's thickness.

To be used in the ARMATERM systems:

ARMATERM SC - ARMATERM POUDRE - ARMATERM CC over polystyrene insulator, mineral wool and wood fibres according to the TRaME classification.

Comes into the composition of "ETICS Rules" renovation systems through recoating and/or flaking, as well as SURIZOL.

3 trading references:

ARMATERM ARMATURE RA1 - RA2 - RENFORCÉE.

### CSTBat certified armourings

RA1 and RA2 armourings: used as regular parts of EXTERNAL THERMAL INSULATION systems.

Normal armourings have the French certification CSTBat according to the TRaME classification (French norm):

- T: resistance to traction during initial state;
- Ra: resistance to alkali;
- M: mesh dimension;
- E: resistance to traction determined at 0.5 % elongation.

**CSTB rule: Minimal performances required for normal armourings:**

	T ≥ 1	Ra ≥ 1	M = 2	E ≥ 1
<b>Glued system</b>	T ≥ 1	Ra ≥ 1	M = 2	E ≥ 1
<b>Wegded system</b>	T ≥ 1	Ra ≥ 1	M = 2	E ≥ 1
<b>Rail fixed system</b>				
• Thin rendering without hydraulic binder	T ≥ 1	Ra ≥ 1	M = 2	E ≥ 2
• Thin rendering with hydraulic binder	T ≥ 1	Ra ≥ 2	M = 2	E ≥ 2
• Thick rendering	T ≥ 1	Ra ≥ 2	M = 2	E ≥ 2

**Technical data of the Zolpan armourings:**

	Weight	Mesh	T	Ra	M	E
<b>Ra 1</b>	160 g/sqm	3.5x3.8 mm	3	1	2	2
<b>Ra 2</b>	160 g/sqm	3.5x3.8 mm	3	2	2	3

### Reinforced Armouring

- Used as a complement for basements and ground floor levels exposed to circulation to improve shock resistance.
- Marker: 1 black thread every 10 cm.

### MAIN FEATURES

- Eases the thickness regulation of the applied product.
- Better distribution of the stressing of the undercoat.
- Open structure of the veil easing the installation.

### IDENTIFICATION CHARACTERISTICS

- Packaging** ARMATERM ARMOURING RA1 AND RA2: 50 ml roll - Width: 110 cm.  
 ARMATERM ARMOURING RA1: 3 brown threads/ARMATERM ARMOURING RA2: 3 blue threads.  
 ARMATERM REINFORCED ARMOURING: 25 ml roll - Width: 100 cm.  
 ARMATERM REINFORCED ARMOURING: 1 thread every 10 cm.

## USE

Surfaces, preparatory work, and application conditions must comply with the applicable standards. In any case, and for more information, refer to the technical data sheets: European Technical Agreement (ETA)/territorial planning regulations, Technical Advice of the applicable ARMATERM systems.

The undercoat is applied with the renderings:

- ARMATERM COLLE POUFRE (see technical sheet).
- ARMATERM COLLE (see technical sheet).
- ARMENDUIT FX (see technical sheet).

## Constituting the Reinforced Base Coat

The armoring must be suited to the fixation mode of the insulating system and to the level of exposure to shock of the façades.

### • Surfaces not exposed to shock

(inaccessible ground floors, private housing, storeys...).

The rendering can be reinforced with a normal armoring.

### • Surfaces exposed to shock

(unprotected accessible façades, collective buildings...).

They may require double armoring as reinforcement.

2 possibilities of treatment, depending on the aimed reVETIR classification:

- Mounting two normal armourings:
  - One first normal armoring meshed in a coat of rendering (recommended height: 2 m from ground level).
  - Once dry, apply the complete reinforced undercoat, while preferably proceeding to an application with crossed or staggered joints between the two lengths of armoring.
- Mounting a reinforced armoring + normal armoring:
  - After reinforcing the windows' angles and junctions between rails, and before mounting the angle strips, mesh the reinforced armoring ARS 208 in a thick coat of rendering (suggested height: 2 m from ground level).

Once dry, apply the reinforced undercoat while making sure that the joints of the normal armoring do not overlap with those of the reinforced armoring, and respecting the covering of the lengths.

NB: The joining of the lengths and the treatment of the angles must be butted with the reinforced armoring.

## Building the Reinforced Undercoat

- Manual application in two coats with drying between coats.
- Manual application in two wet on wet coats.
- One coat in mechanised application.

NB: Refer to the ETA/territorial planning regulations for ARMATERM systems.

## General advice

Ensure that product applications are up to standards by checking regularly the moist thickness.

- The armoring should never applied directly over the insulation but always between two applications of adhesive coating. It must be completely rubbed in the first coat.  
It can be installed vertically or horizontally, however, the lengths must always overlap, ideally by 10 cm (never less than 5 cm).
- In the case of non insulated panels due to lack of space, return the reinforced rendering directly onto the surface, after a suited preparation (pickling of the coating in place, for instance), whereby the armoring must be fixed along the windows to avoid its slipping.

## CONSERVATION

- Store in a dry place.

## HEALTH AND SAFETY

- n/a.



IMPORTANT NOTICE REGARDING THE ZOLPAN TECHNICAL SHEETS: The information given in this sheet only has as an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.

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