REINFORCING MESH

- resistant to alkali
- durable
- elastic

Use

For base coat (reinforced layer) installation – to be embedded in the adhesive coat during installation of thermal insulation systems, both with polystyrene and mineral wool.

Component of thermal insulation systems – element of composite thermal insulation systems, which have been given both European (ETA) and domestic (AT) technical approvals.

Properties

- Durable – consists of interlacing weft and warp yarns creating strong gauze weave, providing the mesh with high mechanical resistance and preventing the yarns from slipping out of position.
- Flexible – ensures compensation of thermal and mechanical deformations, which thermal insulation system is subject to during operation, prevents cracking of the façade layers and enables formation of stable substrate for the rendering coat.
- Resistant to alkali – yarns are protected by immersion in acrylic bath, therefore resistant against aggressive alkali present in the adhesive mortars.

Technical data

The mesh is made of fiber glass, protected by immersion in acrylic bath against aggressive alkali present in the adhesive mortars.

Base coat application

Base coat can be applied when adhesive mortar used for boards fixing sets appropriately and after additional mechanical fixing (after 3 days on average). Spread mortar upon fixed thermal insulation and embed consecutive fiberglass mesh strips. The mesh strips should be placed vertically – from top to bottom. It is advisable to press the mesh into adhesive coat in a few points and embed the whole strip with a notched trowel then. Properly installed mesh should be embedded in the adhesive coat not deeper than half the coat thickness, therefore it's completely coated with adhesive and has no contact with the boards surface. The base coat should be approx. 3 mm thick and should be kept continuous, i.e. consecutive strips should be applied with min. 10 cm wide vertical and horizontal overlaps (15 cm wide at the building corners). The mesh overlaps should not correspond with the joints between insulation boards. After embedding the mesh, thoroughly float the adhesive coat with a smooth steel float.

	ATLAS 150	SSA-1363 SM 0.5	ATLAS 165
Colour	yellow with ATLAS overprint	yellow with ATLAS overprint	yellow with ATLAS overprint
Density [g/m²]	150 (-3/+10%)	155 ± 5%	160 (-3/+10%)
Weave type	gauze	gauze	gauze
Width [m]	1.0	1.0	1.0
Mesh size [mm]	4.5 x 5.0	3.5 x 3.5	3.7 x 3.9
Packaging	roll 50 rm	roll 50 rm	roll 50 rm
Technical requirements	AT-15-9090/2014	AT-15-8489/2010	AT-15-9090/2014

Fiberglass mesh is listed the following European Technical Assessments/Approvals for thermal insulation systems:

System name	Technical Approval No.	EC Conformity Certificate
ATLAS	ETA 06/0081	1488-CPD-0021
ATLAS XPS	ETA 07/0316	1488-CPD-0075
ATLAS ROKER	ETA 06/0173	1488-CPD-0036

Fiberglass mesh is listed the following domestic technical approvals for thermal insulation systems:

System name	Technical Approval No.	Certificate No.
ATLAS ETICS	AT-15-9090/2014	FPC No. ITB-0562/Z
ATLAS ROKER	AT-15-7314/2011	FPC No. ITB-0222/Z
ATLAS ROKER G	AT-15-2930/2012	FPC No. ITB-0436/Z
ATLAS CERAMIK	AT-15-8592/2011	FPC No. ITB-0472/Z
ATLAS RENOTER	AT-15-8477/2011	FPC No. ITB-0456/Z

Fiberglass mesh SSA-1363 SM 0.5 is listed in the National Standard Authority of Ireland (NSAI) Certificate no. 10/0347 and in the British Board of Agrément (BBA) Certificate no. 13/5018.

Important technical information

- The mesh parametres are used to its full advantage only when applied in combination with other system components and according to the technology of system installation.
- Fiberglass mesh has to be stored in vertical position, in dry, airy rooms, away from heating devices.

Note: Mesh must not be exposed to direct sunshine and atmospheric factors.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.
At the time of publication of this product data sheet all previous ones become void.
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