SNOWHITE SWM

Thermal insulation for tiled roofs, metal roofs and hollow external walls

Catalog number :SWM

Revision : 10/07

Product's Description	**Snowhite – SWM** is an insulation system consisting of a double layer sheet combining a reflective radiation barrier with an insulation layer of pure and flexible polyester fibers. The radiation barrier is made of a reinforced aluminum foil with a low emissivity level, approximately 3%. The reflective side (the shiny one) of the barrier faces outside.
Product's Purpose	**Snowhite – SW**M is used for thermal insulation of tiled roofs, low-weight roofs, hollow external walls in residential, industrial, agriculture buildings and for insulating air condition ducts.

Technical Specification

Property	**SWM300**	**SWM500**	**SWM800**
Polyester weight (gr./m^2):	300	500	800
Thickness (mm):	45	75	100
R – Thermal resistance - according to ASHRAE (m^2k/w)	2.01	2.41	3.08
Heat conductivity – w/mk	0.048	0.056	0.0497
NRC (as per ASTM-C177):	0.35	0.45	0.70
Fire Class according to I.S. 755:	B2.2.2	B2.2.2	B2.2.2

Using Manner

General:

The **Snowhite – SWM** sheets are to be stretched so that the aluminum foil faces downwards.

Snowhite – SWM insulation cutting method: by means of simple (long) cloth scissors. The insulation is attached to the beams by means of a pins-gun. The height of the pins' legs: 10-12 mm.

To cover overlaps (usually unnecessary) use dedicated aluminum masking tape. Apply masking tape in the same manner at slopes' junctions (corners) for attachments that are not to beams.

The **Snowhite – SWM** is suitable for insulating tile roofs subject to I.S. 921.

Installation under tiles on an existing roof:

Stretching the **Snowhite – SWM** perpendicularly to the roof's slanted beams.

1. Stretch the **Snowhite – SWM** horizontally, perpendicular to the beams and attach by means of a pins-gun to beams' bottom.
2. It is recommended to create 5 cm. overlaps between every two sheets, with the lower insulation overlapping the higher one from beneath.

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Packaging	**Snowhite – SWM** is marketed in rolls in the following widths: Width: 40, 60, 80, 120

Safety Instructions	Avoid any contact between **Snowhite – SWM** (or any other reflexive insulator) and exposed electric cables, electric boxes or any non-insulated electric element (aluminum sheet is an electrical conductor!). Verify the stability and safety of the roof's beams before taking any action. In a gypsum ceiling it is recommended to lay down a plate resting on 2 adjacent beams and standing on it. **Snowhite – SWM** is not to be attached to a chimney. Verify a distance of at least 12 cm.

The instructions that appear on the product are based on knowledge and experience amassed over the years. We reserve the right to change these instructions without prior notification. The operator is responsible for keeping informed of the latest updates. These instructions are solely recommendations and do not constitute liability for the product. Prior to use, the user must check the product's suitability, and the application and environmental conditions that meet his specifications. If in doubt, please contact us and we will be happy to instruct you.