

## SE PLANO

### Accessories



Polyethylene foil, coated with non-woven fabric on both sides, intended for full-area insulation, with the high ability to bridge cracks created in bases

#### APPLICATION:

Insulation tape, intended for full-area insulation, immediately below ceramic wall and floor tiles in cases of Class I and II, humidity loads, such as showers, bathrooms, balconies, and terraces.

#### Characteristic features:

- very good connection with SE 1, SE mach3, SE 4 and SE 6 sealing materials
- reliable connection with AD series adhesives
- water-tight and highly vapour-tight
- high tensile strength
- resistance to ageing, non-rotting, permanently elastic
- resistance to high temperatures, suitable for underfloor heating
- significant flexibility with the ability to bridge cracks in bases
- resistance to chemicals

#### TECHNICAL PARAMETERS:

Material	polyethylene
Colour	blue
Elongation	approx. 30 %
Thickness	approx. 0.5 mm
Surface density	250 g/m <sup>2</sup>
resistance to chemicals (alcohol, ketone)	alkali, dilute acids and saline solutions, polar solvents
resistance to petroleum substances and solvents	not resistant to mineral oils, petrol, fuels, and aromatics (such as toluene)
Heat resistance	-30°C to +90°C
Dimensions (width/length)	1 m/30 running metres
Equivalent diffusion thickness (vapour-tight integrity)	sd ≥ 50 m
Temperature during assembly	from 5°C to 30°C

#### Humidity load classes:

Class	Humidity load
I	soil moisture
II	non-pressure water

#### BASE:

Suitable bases – jointed masonry, concrete, plasters (at least CS II category), cement and anhydrite screeds, porous concrete, plasterboards, standard insulation systems provided with reinforcement reinforcement layers, also original ceramic surfaces.

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Tax ID number CZ25238078

The company is registered in the Companies Register, administered by the Regional Court in Plzeň, Section C, File 22719

#### BASE PREPARATION:

The base must show sufficient strength, surface cohesion, flatness, and maturity. The base must be free of dust and impurities that prevent adhesion. The cleaned base is penetrated using **PE 202**. Application after 28 days on cement screeds with a residual moisture of up to 3%, heated screeds with a residual moisture of up to 2% (humidity is measured by the CM instrument).

Calcium sulphate-based screeds must have a residual moisture of up to 0.5%, and heated areas must have a residual moisture of up to 0.3% (humidity is measured by the CM instrument). Before application, the base surface must be ground and thoroughly penetrated using **PE 202**.

#### PROCESSING:

Cut-to-length the **SE PLANO** foil and apply on the surface to be insulated. Using a 4 mm toothed spatula, apply the **PE 204** contact bridge on a prepared, and impregnated base (see above). If it is necessary to accelerate the entire procedure, use the **AD 590** adhesive. Press the foil on the entire surface of a freshly applied bed to prevent the creation of cavities under insulation. This is achieved by removing the excess material through the edge of the plastic trowel, or by pushing the hard rubber roller from the middle towards the edges of the foil.

The laying can be performed either as a butted connection with overlapping of the joint with a 100 mm wide cut-to-size element, or by overlapping the foil itself with at least 50 mm. In both cases, it is recommended to seal these joints using the **SE3** or **SE 6** insulation materials in areas with higher humidity, and thermal-mechanical loads (balconies, terraces). Over the expansion joints, the foil should be interrupted or cut, and this zone should be bridged using the **SE5** tape. Similarly, the additional sealing of the pipe passages and floor traps should be performed using collars from the **SE 5** tape. The **SE 5** tapes are also glued into the **SE mach3** or **SE 6** insulation stoppers.

On the walls, you can continue with the installation of ceramic tiles without any significant delays; on the floors, you can install them after hardening assembly materials.

The type of the **AD** series adhesive subsequently used for the gluing of ceramic files to the foil surface depends on the area of use.

In external environments, it is not recommended to install the foil at higher temperatures (such as under direct sunlight) due to the risk of air expansion, and formation of air bubbles under insulation.

#### CAUTION:

- Unused residues of the product should be disposed of in officially approved combustion plants (see the Safety Data Sheet).
- PE packaging may be handed over to recycling.

#### SAFETY AND HYGIENE REGULATIONS:

This product is not classified as a dangerous substance.

#### STORAGE:

To avoid deformation, store the product horizontally in a dry place. The minimum storage time is 24 months. The expiration date is specified on the packaging.

#### SHIPPING:

The product is delivered in a roll wrapped in PE foil – length of 30 m, width of 1 m.

#### QUALITY:

- The product quality is regularly checked in the manufacturer's laboratories.
- The distributor applies a certified quality management system, according to ISO 9001.

#### DISTRIBUTOR:

LASSELSBERGER, s.r.o., Adelova 2549/1, 320 00 Pilsen – Jižní Předměstí

#### VALIDITY:

Since 1 August 2013

We reserve the right to make any changes that are the result of technical progress. This issue cancels and supersedes all previous issues.