

SINTEF Technical Approval

TG 20774



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Valid until 01.02.2027
Provided listed on
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SINTEF confirms that

Astorseal Foiltape

has been found to be fit for use in Norway and to meet the provisions regarding product documentation given in the regulation relating to the marketing of products for construction works (DOK) and regulations on technical requirements for building works (TEK), with the properties, fields of application and conditions for use as stated in this document



1. Holder of the approval

ASTORPLAST Klebetechnik GmbH
Limesweg 19
D-73553 Alfdorf
www.astorplast.no

2. Product description

Astorseal Foiltape is a single-sided adhesive tape with $215 \text{ g/m}^2 \pm 15 \text{ g/m}^2$ acrylic adhesive, an UV-stabilised polyethylene foil and silicone paper as liner. The tape is delivered with customized width with at least 50 mm, and a length of 25 m.

3. Fields of application

Astorseal Foiltape is used to seal overlapping joints and penetrations as well as repairing rifts in vapour barrier of polyethylene, PE, as well as Matak Halotex RS10 for the use as a combined roofing underlay and wind barrier.

4. Properties

Adhesion

Astorseal Foiltape used on the wind barrier layer has satisfactory adhesion to the surface of painted and untreated wood, galvanized and stainless steel, painted and anodized aluminium and Matak Halotex RS10.

Astorseal Foiltape used on the vapour barrier layer has satisfactory adhesion to the surface of untreated and painted wood and vapour barrier of PE-foil.

Durability

Astorseal Foiltape is considered to have satisfactory durability based on results from testing of adhesive properties as well as tensile strength and elongation before and after artificial ageing in the laboratory.

Artificial aging for Astorseal Foiltape used on the wind barrier layer is performed with 2 weeks (14 days) exposure in a climate simulator (NT Build 495) followed by 24 weeks (168 days) of aging in a heat chamber at 70 °C (EN 1296).

Artificial ageing for Astorseal Foiltape used on the vapour barrier layer is performed with 48 hours UV/heat ageing according to EN 1297 (without water praying), followed by 12 weeks (84 days) of aging in a heat chamber at 70 °C (EN 1296).

5. Environmental aspects

Substances hazardous to health and environment

Astorseal Foiltape contains no hazardous substances with priority in quantities that pose any increased risk for human health and environment. Chemicals with priority include CMR, PBT or vPvB substances.

Effect on indoor environment

Astorseal Foiltape is evaluated according to *SINTEF Technical Approval – Health and Environmental Requirements version 09.05.2022*. The product is not regarded as emitting any particles, gases or radiation that have a perceptible impact on the indoor climate, or to have any significant impact on health. The product meets the requirements in *BREEAM-NOR v6.0, Emissions from building products* according to *Hea 02 Indoor air quality*.

Waste treatment/recycling

Astorseal Foiltape shall be sorted as residual waste on the building/demolition site. The product shall be delivered to an authorized waste treatment plant for energy recovery.

Environmental declaration

No environmental declaration (EPD) has been worked out for Astorseal Foiltape

6. Special conditions for use and installation

Design considerations

Astorseal Foiltape should be used on substrates where the adhesion properties are documented with satisfactory results.

Installation

All surfaces of the substrates must be dry, clean and free of dust, oil and grease prior to application of Astorseal Foiltape.

There must be no tension in the adhesive surface after assembly. The tapes cannot be used to joint subjects where the adhesive surface is exposed to continuous strain.

SINTEF is the Norwegian member of European Organisation for Technical Assessment, EOTA, and European Union of Agrément, UEAtc

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7. Factory production control

Astorseal Foiltape is produced by ASTORPLAST Klebtechnik GmbH, Limesweg 19, D-73553 Alfdorf, Germany.

The holder of the approval is responsible for the factory production control in order to ensure that Astorseal Foiltape is produced in accordance with the preconditions applying to this approval.

The manufacturing of Astorseal Foiltape is subject to continuous surveillance of the factory production control in accordance with the contract regarding SINTEF Technical Approval.

The manufacturer has a quality management system that is certified pursuant to EN ISO 9001.

8. Basis for the approval

The evaluation of Astorseal Foiltape is based on reports owned by the holder of the approval.

9. Marking

Customized marking with at least product name, owner of the approval and production date. The marking is applied either visible inside the roll or on the packaging unit.

The approval mark for SINTEF Technical Approval TG 20774 may also be used.

10. Liability

The holder/manufacturer has sole product responsibility according to existing law. Claims resulting from the use of the product cannot be brought against SINTEF beyond the provisions of Norwegian Standard NS 8402.

for SINTEF



Hans Boye Skogstad
Approval Manager