

SINTEF Technical Approval

TG 20988

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Revised:
Amended:
Valid until 01.07.2031
Provided listed on
www.sintefcertification.no

SINTEF confirms that

Protan Multitape

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

Protan AS
Baches vei 1
3413 Lier
www.protan.com

2. Product description

Protan Multitape has a blue backing of LDPE film with white printing and polyacrylate adhesive with a polyester mesh reinforcement. The tape is delivered on rolls with a length of 25 m and a width of 50 mm, 60 mm, 100 mm, 150 mm and 200 mm. The tape with a width of 100 mm has a 50/50 split in the protective paper.

3. Fields of application

Protan Multitape is used for sealing joints, penetrations and rifts in Riwega USB Classic. It can also be used to seal joints and penetrations in asphalt impregnated fibre board primed with USB Primer and joints and penetrations in GU/GUX gypsum boards provided that the tape adheres well when applied to the gypsum board.

Protan Multitape can be used to seal joints, penetrations and for reparations of PE foil in the water vapour layer, and for temporary fastening of PE foils used in outdoor roof constructions.

4. Product performance

Adhesion

Protan Multitape has satisfactory adhesion to Riwega USB Classic and the surface of painted and untreated wood, galvanized and stainless steel, painted and anodized aluminium, PVC, water vapour barrier of PE-foil, asphalt impregnated fibre board primed with USB Primer and GU/GUX gypsum board.

Durability

Protan Multitape 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.

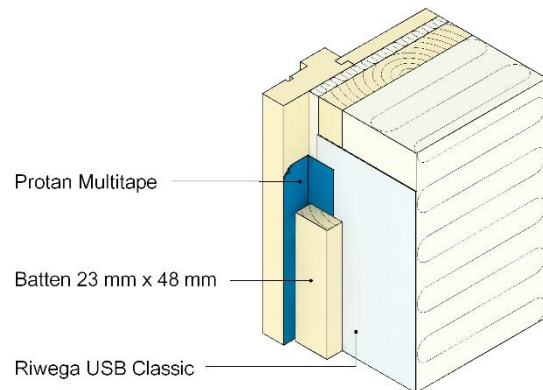


Fig. 1
Example of use of Protan Multitape to seal joint between Riwega USB Classic and window frame.

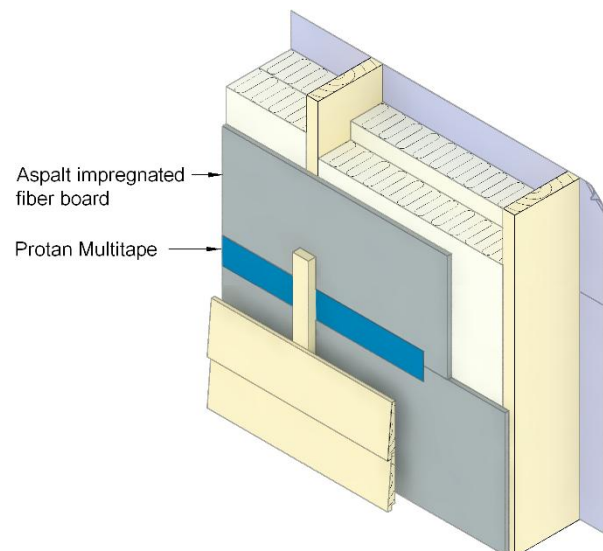
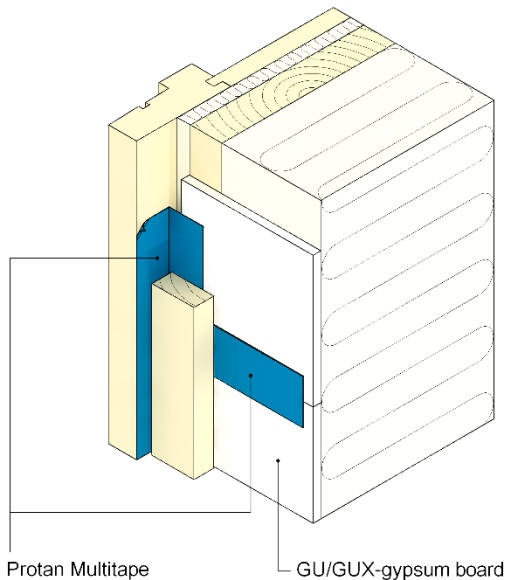


Fig. 2
Example of use of Protan Multitape to seal joint between asphalt impregnated fibre boards.

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

Artificial ageing has been performed with 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), and also for 48 hours exposure to UV-radiation without water spraying according to EN 1297 followed by exposure to elevated temperature for 12 weeks at +70 °C according to EN 1296.



Protan Multitape
Fig. 3
GU/GUX-gypsum board

Example of use of Protan Multitape to seal joints between GU/GUX gypsum boards and between GU/GUX gypsum board and window frame.

5. Environmental aspects

Substances hazardous to health and environment

Protan Multitape 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.

Protan Multitape shall be sorted as residual waste. The product shall be delivered to an authorized waste treatment plant for energy recovery.

6. Conditions of use

Design considerations

Protan Multitape should only 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 Protan Multitape.

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.

Asphalt impregnated fibre board must be primed with USB Primer before joints and penetrations is sealed with Protan Multitape.

Used as temporary fastening of water vapour barrier PE foil in roofs in outdoor environment, Protan Multitape must be protected from direct exposure to UV radiation in the finished construction. The tape should, without unnecessary delay, be covered as soon as possible after installation.

Transport and storage

Protan Multitape shall be stored between 18 °C and 25 °C, dry and protected from UV rays.

7. Product and factory production control

Protan Multitape is produced in Germany for Protan AS.

The holder of the approval is responsible for maintaining the factory production control to ensure that “the product” is manufactured in compliance with the preconditions upon which this approval is based.

The manufacturing of the product(s) and the manufacturer's system for factory production control (FPC) is subject to continuous surveillance 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 product's characteristics are documented in reports issued by independent bodies. The technical documentation serves as the basis for SINTEF's product assessment with respect to the guidelines for SINTEF Technical Approval, and recommendations as outlined in SINTEF Building Research Design Guides.

9. Marking

The product name is printed on the backing of each roll.

Each packaging unit of Protan Multitape is marked with product name, owner of the approval and charge number.

The approval mark for SINTEF Technical Approval TG 20988 may also be used.

10. Liability

The holder/manufacturer has sole product liability according to current law. Claims can only be made against SINTEF under general law or other special grounds.

for SINTEF

Hans Boye Skogstad
Approval Manager