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European Technical Assessment

ETA 12/0423
of 03/12/2019

General Part

Technical Assessment Body issuing the ETA:	RISE Research Institutes of Sweden AB
Trade name of the construction product	Bostik Tätskiktsystem VTv10 –VTg10 and NAX B Pro WR system
Product family to which the construction product belongs	Watertight covering kits for wet room walls and floors
Manufacturer	Bostik AB Strandbadsvägen 22 SE-251 09 Helsingborg Sweden www.bostik.se
Manufacturing plant(s)	Bostik AB Strandbadsvägen 22 SE-251 09 Helsingborg Sweden
This European Technical Assessment contains	7 pages
This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of	ETAG 022 Part 1, edition 2007-04-11, used as European Assessment Document (EAD)
This ETA replaces	ETA 12/0423, issued on 04/12/2017

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Specific parts

1 Technical description of the product

General

Bostik Tätskiktssystem VTv10-VTg10 or NAX B Pro WR system watertight covering kit for wet rooms is a one component system consisting of a liquid membrane on plastic dispersion base and associated components, such as primer, reinforcements and adhesives and serves as a watertight covering for wet room floors and walls beneath a wearing surface. The designation VTv10 is used for walls and VTg10 for floors.

Layer of ceramic tiles adhered to the kit with cement based tile adhesive.

The kit consists of the following components:

Primer

Bostik Fuktspärr 2000K or NAX B Pro WR Protect One is a single component synthetic resin dispersion primer for various substrates. The primer is intended to have a significant additional function in limiting the water vapour permeability of the kit.

Membrane

Bostik Membrane or NAX B Pro WR Protect Two is a single component synthetic resin dispersion membrane.

Reinforcement

The reinforcement is Bostik Fiberremsa or NAX B Pro WR Fibre Strip, which is used in connection between the floor and the wall. Bostik Fiberremsa or NAX B Pro WR Fibre Strip is embedded in layers of Bostik Membrane or NAX B Pro WR NAX B Protect Two and readymade fitting pieces are used in inside and outside corners. Reinforcement around pipe penetrations in floors and wall is established with Bostik Rörmanschett PU or NAX B Pro WR PSC, which are available in various sizes depending on the pipe diameter. For gullies the Bostik Brunnsmanschett or NAX B Pro WR DSC 3737 is used

Adhesives

Adhesives covered by this ETA are:

Bostik 8020 Floor & Wall, Bostik 8010 Combi or NAX B Pro Multi Flex Adhesive and Bostik 8060 Rapid ,all cement based tile adhesive.

The kit is constructed as follows:

- One layer of minimum 0, 2 kg/m² Bostik Fuktspärr 2000K or NAX B Pro WR Protect One.
- Reinforcement of in- and outgoing corners in walls, over joints or cracks in the substrate, around pipe penetrations, floor gullies and along the connection between floor and wall with is Bostik Fiberremsa or NAX B Pro WR Fibre Strip, which is embedded in a layer of Bostik Membrane or NAX B Pro WR NAX B Protect Two. Reinforcement around pipe penetrations in floors and wall is established with Bostik Rörmanschett or NAX B Pro WR PSC, which are available in various sizes depending on the pipe diameter. For gullies the Bostik Brunnsmanschett or NAX B Pro WR DSC 3737 is used.
- Two layer of minimum 2 x 0, 5 kg/m² Bostik Membrane or NAX B Pro WR NAX B Protect Two distributed evenly over the surface.
- One layer of ceramic tiles adhered to the kit with cement based tile adhesive.

2 Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

Water tight covering for wet room walls and floors with additional wearing surface. The covering may be used on substrates of boards or concrete, i.e. moisture sensitive substrates which are flexible and with jointing and susceptible to cracking.

The kit can be used with the following types of floor gullies:

Circular gullies made from stainless steel or plastic type PP, with clamping ring.

To be used in indoor applications, where the sheet based applied kit is not exposed to temperatures (i.e. temperature of structure) below 5 °C and above 40 °C, in the following u

- Wall and floors surfaces with only occasional direct exposure to water, e.g. at a good distance from shower or bathtub.
- Walls and floors in shower areas or around bathtubs used for a few showers daily, e.g. in ordinary dwellings, multi-family houses and hotels
- Wall and floors surfaces with exposure to water more frequent or of longer duration than normally anticipated in dwellings, e.g. public wet rooms, schools and sport facilities.

The provisions made in this European Technical Approval are based on an assumed working life of the Bostik Tätskiktssystem VTv10-VTg10 or NAX B Pro WR system of 25 years, provided that they are subject to appropriate installation, use and maintenance. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

3.1 Essential characteristics and their performance

BWR		**Characteristic**	**Performance**
BWR 1	Mechanical resistance and stability	Not relevant	Not relevant
BWR 2	Safety in case of fire	Reaction to fire	No performance determined
BWR 3	Hygiene, health and the environment	Water vapour permeability EN ISO 12572, 100→75 % RH	1 551 000 s/m S_d-value = 41,4 m
		Water vapour permeability EN ISO 12572, option C 93→50 % RH	1 323 000 s/m S_d-value = 35,3 m

		Water tightness 150kPa/7 Days	Watertight
		Crack bridging ability	Category 1 (0,4 mm)
		Bond strength on concrete substrate	Category 2 (≥ 0,5 MPa)
		Bond strength on gypsum board	Cohesive failur in the substrate
		Scratching resistance	No performance determined
		Joint bridging ability	Category 2 (watertight)
		Water tightness around penetrations	Annex A Category 2 Watertight Annex F Category 2 Watertight
		Slipperiness	Not relevant
BWR 4	Safety in use		Not relevant
BWR 5	Protection against noise		Not relevant
BWR 6	Energy economy and heat retention		Not relevant
BWR 7	Sustainable use of natural resources		Not relevant
Related aspects of durability and serviceability		Resistance to temperature	Category 1
		Resistance to water	Category 2 (≥ 0,5 MPa)
		Resistance to alkalinity	Category 1 (≥ 0,3 MPa)
		Resistance to chemical agents	NPD
		Resistance to biological agents	NPD
		Reparability	NPD
		Thickness	0,52 mm = 1,83 kg/(mm x m^2)
		Applicability	Applicable

4 Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base

According to the decision 2003/655/EC - Commission decision of date 12 September 2003, published in the Official Journal of the European Union (OJEU) L231/12 of 17/09/2003, of the European Commission the system(s) of assessment and verification of constancy of performance (see Annex V to the regulation (EU) No 305/2011) given in the following table apply):

Product(s)	Intended use	Level(s) or class	System
Watertight covering kits for wetroom floors and walls	For building works	-	2+

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

5.1 Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall insure that the product is in conformity with this European Technical Assessment .

The manufacturer may only use constituent materials stated in the technical documentation of this European Technical Assessment.

The factory production control shall be in accordance with the Control plan which is part of the technical documentation of this European Technical Assessment. The control plan is laid down in the context of the factory production control system operated by the manufacturer and deposited within RISE Research Institutes of Sweden .

5.2 Other tasks for the manufacturer

The manufacturer shall, on the basis of a contract, involve a body which is approved for the tasks referred to in section 3.1 in order to undertake the actions laid down in section 4.3. For this purpose, the control plan referred to in sections 4.2.1.1 and 4.2.2 shall be handed over by the manufacturer to the approved body or bodies involved.

The manufacturer shall make a declaration of conformity, stating that the construction product is in conformity with the provisions of this European Technical Assessment.

5.3 Tasks for the approved bodies

The approved body (bodies) shall perform the:

- initial type testing of the product,
- initial inspection of factory and of factory production control,
- continuous surveillance, assessment and approval of factory production control,

in accordance with the provisions laid down in the control plan.

The approved body shall retain the essential points of its actions referred to above and state the results obtained and conclusions drawn in a written report.

The approved certification body involved by the manufacturer shall issue an EC certificate of conformity of the product stating the conformity with the provisions of this European Technical Assessment.

In cases where the provisions of the European Technical Assessment and its "control plan" are no longer fulfilled the certification body shall withdraw the certificate of conformity and inform RISE Research Institutes of Sweden AB without delay.

Issued in Borås on 03.12.2019
By RISE Research Institutes of Sweden AB

Stefan Coric
Certification Manager