



European Technical Assessment

ETA-14/0288
of 08/09/2014

Modified version issued 31/10/2014

(English translation prepared by CSTB – Original version in French language)

GENERAL PART

**Technical Assessment Body issuing the
European Technical Assessment:**

Centre Scientifique et Technique du Bâtiment
(CSTB)

Trade name of the construction product:

CERMIMPER

**Product family to which the construction
product belongs:**

Product Area Code: 03
Liquid applied roof waterproofing on the basis
on polyurethane polymers

Manufacturer:

CERMIX
Rue Belle Croix
62240 DESVRES

Manufacturing plant(s):

Plant 1 (France)

**This European Technical Assessment
contains:**

6 pages including 1 Annex(es) which form an
integral part of this assessment

Annex(es) 1 contain(s) confidential information
and is/are not included in the European
Technical Assessment when that assessment is
publicly available

**This European Technical Assessment is
issued in accordance with regulation (EU)
No 305/2011, on the basis of:**

European Technical Approval Guideline No 005
(ETAG 005), edition 2004, used as European
Assessment Document (EAD)

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

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SPECIFIC PART

1. Technical description of the product

The liquid applied roof waterproofing "CERMIMPER" is a kit which consists of liquid synthetic material of reactive polyurethane single component. There are 2 layers of resin, with a consumption of 0.700 kg/m² by layer. The substrate is concrete. It requires the primer "CERMIMPRIM IT" for an adequate adhesion of the waterproofing layer. As assembled system these components form a homogeneous seamless roof waterproofing. "CERMIMPER" is always used under protection layer (§ 3.1.15 of ETAG 005 Part 1). The kit "CERMIMPER" under protection layer is accessible by pedestrian.

The minimum layer thickness of the roof waterproofing applied amounts to 1.1 mm.

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

The liquid applied roof waterproofing for the waterproofing of roof surfaces against penetration of atmospheric water.

The roof waterproofing shows certain levels of performance according to ETAG 005 which facilitates the use taking account of national requirements.

In the manufacturer's technical dossier (MTD) to this European technical assessment (ETA) the manufacturer gave information concerning the concrete substrate which the roof waterproofing is suitable for and on how these substrates shall be pre-treated.

The verifications which are based on this ETA give reason for the assumption of an intended working life of the roof waterproofing of 10 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works

3. Performances of the product and references to the methods used for their assessment

Performances of the liquid applied waterproofing kit, related to the basic requirements for construction works (hereinafter BWR), were determined according to the ETAG 005.

These performances, given in the following paragraphs, are valid as long as the components are the ones described in § 1 and Annexe 1 of this ETA.

3.1 Mechanical resistance and stability (BWR 1)

Not relevant.

3.2 Safety in case of fire (BWR 2)

Reaction to fire: No performance determined

External fire performance: No performance determined

3.3 Hygiene, health and the environment (BWR 3)

3.3.1 Water vapour permeability

Water vapour permeability factor (μ) is 780.

3.3.2 Watertightness

Kit is watertight according to Technical Report EOTA 003.

3.3.3 Effects of highest and lowest surface temperatures

The resistance to mechanical damage is P1 at the lowest surface temperature TL4 et and the highest surface temperature TH2.

3.3.4 Resistance against ageing

Performance et tensile properties, after exposure W2 of accelerated ageing by heat, artificial weathering and accelerated ageing by hot water are kept.

3.3.5 Resistance to plant roots

No performance determined.

3.3.6 Release of dangerous substances

According to Technical Report EOTA n° 034, the product does not contain dangerous substance.

3.4 Safety and accessibility in use (BWR 4)

3.4.1 Resistance to wind load

Bond strength on concrete substrate is > 50kPa.

3.4.2 Resistance to slipperiness

No performance determined.

3.5 Protection against noise (BWR 5)

No performance determined.

3.6 Energy economy and heat retention (BWR 6)

No performance determined.

3.7 Sustainable use of natural resources (BWR 7)

No performance determined.

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

According to Decision 97/556/EC (Decision of the Commission of 14 July 1997, L 229 of 20.8.1997, p. 15), as amended by Decision 2001/596/EC (Decision of the Commission of 8 January 2001, L 209 of 2.8.2001, p. 33), the systems of AVCP given in the following table apply:

Produit	Usage prévu	Niveaux ou classes	Système
Liquid applied roof waterproofing kits	For all roof waterproofing uses	-	3

The systems of AVCP are described in Annex V of Regulation (EU) No 305/2011, as amended by Delegated Regulation (EU) No 568/2014.

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

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at the CSTB.

Issued in Marne-la-Vallée on 08/09/2014

by

Charles BALOCHE, Technical Manager of the CSTB

Applicable to roof waterproofing "CERMIMPER":

Minimum layer thickness	1,1 mm
Minimum quantity consumed	1,4 kg/m ²
<u>Levels of use categories according to ETAG 005 with relation to :</u>	
Working life	W2
Climatic zones	S
Imposed loads	P1 (always under protection layer)
Roof slope	S1 à S4
Lowest surface temperature	TL4
Highest surface temperature	TH2
<u>Performance du kit :</u>	
Resistance to spreading fire and radiant heat	class F (no performance determined)
Reaction to fire	class F (no performance determined)
Water vapour diffusion resistance factor	$\mu \approx 780 (\geq 650)$
Watertightness	Watertight
Statement on dangerous substances	Does not contain any
Resistance to plant roots	No performance determined
Resistance to wind loads	≥ 50 kPa on concrete substrate
Resistance to slipperiness	No performance determined

Roof waterproofing "CERMIMPER" <i>Liquid applied roof waterproofing on the basis of polyurethane</i>	ANNEX 1 (1/2) of ETA-14/0288
Characteristics of "CERMIMPER"	

Installation

The fitness for use of the roof waterproofing can be assumed only, if the processing is carried out according to the processing instructions stated in the MTD by the manufacturer, in particular taking account of the following points:

- processing by appropriately trained personnel,
- processing of only those components which are a marked component of the kit,
- processing with the required tools and adjuvants,
- precautions during processing,
- inspecting the roof surface for cleanliness and correct preparation and applying the primer before applying the roof waterproofing,
- inspecting compliance with suitable weather and curing conditions,
- ensuring a thickness of the waterproofing of at least 1.1 mm by processing of appropriate minimum quantities of material,
- inspections during installation and of the finished roof waterproofing and documentation of the results.

Protection layer

“CERMIMPER” can only be used with a protection layer (see § 3.1.15 of the ETAG 005 Part 1).

In the case of ballast layer, “CERMIMPER” is used in combination with an antipuncturing separation sheet under ballast layer.

The protection layer is not a part of the kit.

<p style="text-align: center;">Roof waterproofing “CERMIMPER”</p> <p style="text-align: center;"><i>Liquid applied roof waterproofing on the basis of polyurethane</i></p>	<p style="text-align: center;">ANNEX 1 (2/2) of ETA-14/0288</p>
<p style="text-align: center;">Intended use of “CERMIMPER”</p>	