



CPC BELGELENDİRME MUAYENE
VE DENEY HİZMETLERİ TİC. LTD. ŞTİ.
Çamlıca Mah. (Timko Eti) Anadolu
Blv.No:20-R Blok No:4
Yenimahalle/Ankara
www.cpcert.org



Member of
EOTA
www.eota.eu

European Technical Assessment

ETA-24/0959
of (04.10.2024)

Technical Assessment Body issuing the European Technical Assessment: CPC
Belgelendirme Muayene ve Deney Hizmetleri Tic. Ltd. Şti.

**Trade name of the construction
product**

CERMIPROOF PB 2C

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

Product Area Code: 03

Manufacturer

KORAMİC YAPI KİMYASALLARI A.Ş.

E5 Karayolu Üzeri Şifa Mah. Hükümet Cad. 34941 –
Tuzla / İSTANBUL - TÜRKİYE

Manufacturing plant(s)

Plant 1

**This European Technican
Assessment contains**

9 pages including 2 Annexes which forms an integral
part of this assessment

Annex may contain confidential information and is/are
not included in the European Technical Assessment
when that assessment is publicly disseminated

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

EAD 030350-00-0402

Liquid applied roof waterproofing kits

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

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full (excepted the confidential Annex(es) referred to above). However, partial reproduction may be made, with the written consent of the issuing Technical Assessment Body. Any partial reproduction has to be identified as such.

1. Technical description of the product

This evaluation report outlines the assessment conducted on the properties suitable for the intended application of the "Liquid Applied Roof Waterproofing Kit" (LARWK), comprising:

1. Primer (if required) – CERMIPRIME EPR 2C
2. Waterproofing membrane "CERMIPROOF PB 2C" based on a single-component, moisture-curing polyurethane hybrid for waterproofing layers on roofs, manufactured by KORAMİC YAPI KİMYASALLARI A.Ş.

For achieving optimal adhesion of the waterproofing layer, the use of a primer is essential, with the specific type depending on the nature of the substrate. Typically, manufacturers provide information regarding the recommended primer for each substrate in their technical documentation. However, in exceptional cases, it falls upon the manufacturer to offer guidance on the necessary pre-treatment or primer required.

It is mandated that the minimum applied layer thickness of the roof waterproofing membrane must be 2.0 mm to ensure adequate performance.

When assembled, these components coalesce to form a homogeneous and seamless roof waterproofing kit.

Detailed information regarding the components and the system build-up of the roof waterproofing kit " CERMIPROOF PB 2C " can be found in Annex A.

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

The product is utilized for waterproofing roof surfaces against atmospheric water penetration. In the technical file, the manufacturer provides information regarding suitable substrates for the product and the necessary pre-treatment procedures for each substrate type. Categorization levels for product use are detailed in Annex A.

The verification and assessment methods forming the basis of this European Technical Assessment suggest a product lifespan of at least 25 years. It's important to note that the indications of product lifespan should not be interpreted as a guarantee from the manufacturer, but rather as a tool for selecting appropriate products based on the economically reasonable lifespan of the project.

The categorization levels and performance metrics outlined in Section 3 are applicable only when the liquid applied roof waterproofing is used in compliance with the specifications and conditions provided in Annex B, along with adherence to the manufacturer's installation guidelines stated in the technical file.

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

3.1 Mechanical resistance and stability (BWR 1)

Not applicable

3.2 Safety in case of fire (BWR 2)

Essential characteristic	Performance
External fire performance	See Annex A
Reaction to fire	See Annex A

3.3 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Water vapour permeability	See Annex A
Watertightness	See Annex A
Release of dangerous substances	No performance determined
Resistance to mechanical damage (perforation)	See Annex A, use categories
Resistance to plant roots	See Annex A

3.4 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Resistance to wind loads	See Annex A
Slipperiness	See Annex A

3.5 Protection against noise (BWR 5)

Not applicable

3.6 Energy economy and heat retention (BWR 6)

Not applicable

3.7 Sustainable use of natural resources (BWR 7)

No performance assessed in this regard.

3.8 General aspects

Testing for the essential characteristics includes the crucial verification of durability and

serviceability. However, it's imperative to underscore that the attainment of durability and serviceability hinges upon strict adherence to the specifications outlined for intended use in Annex B and the detailed specifications provided within the manufacturer's technical file.

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

According to Decision of the Commission of 12 October 1998 (98/599/EC) (OJ L 287 of 24.10.98, p.30) as amended by Decision of the Commission of 8 January 2001 (2001/596/EC) (OJ L 209 of 02.08.2001, p33), the system of assessment and verification of constancy of performance (see Annex V and Article 65 Paragraph 2 to Regulation (EU) No 305/2011) given in the following table applies.

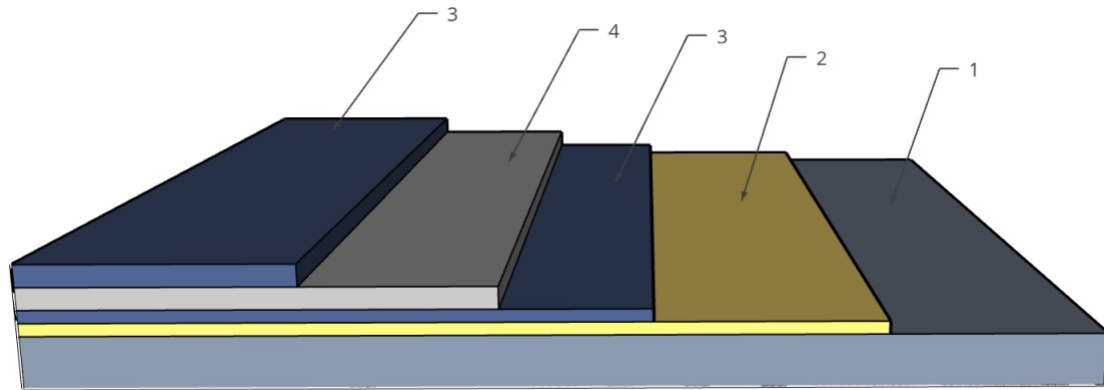
Product	Intended uses(s)	Level or class	System
Liquid applied roof waterproofing kits	For uses subject to external fire performance regulations	B _{ROOF} (t1)	3
	For uses subject to reaction to fire	E	
	All other roof waterproofing uses all other characteristics	-	

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 by the Technical Assessment Body. The notified product certification body shall visit the factory at least once a year for surveillance of the manufacturer.

Issued in Ankara on 04.10.2024
by
UĞUR GEDİK

Annex A



- 1: Substrate
- 2: Primer if needed – CERMIPRIME EPR 2C
- Waterproofing layer – CERMIPROOF PB 2C
- 4: Fleece layer (nominal weight 110 g/m²)

Classification of the roof waterproofing system “CERMIPROOF PB 2C”

Minimum consumption	2.0 kg/m ²
Minimum layer thickness	2.0 mm
<u>Classification to use categories according to EAD 030350-00-0402:</u>	
Working life	W3 (25 years)
Climatic zones	S (severe climate)
Resistance to mechanical damage (perforation)	Compressible and non-compressible substrates: P1 to P3 (from low to normal)
Roof slope	S1 to S4 (each roof slope)
Lowest surface temperature	TL4 (-30 °C)
Highest surface temperature	TH2 (60 °C)
Use category regarding BWR 3	S/W 2
<u>Performances of the product:</u>	
Reaction to fire EN 13501-1	Class E
External fire performance EN 13501-5	F _{ROOF(t1)} *
Water vapour diffusion resistance factor	μ = 3167
Watertightness	passed
Resistance to fatigue movement	W3
Resistance to ageing media (heat and water)	W3
Release of dangerous substances	See chapter 3.3
Root resistance	No penetration of sealing by roots, watertight
Resistance to wind loads	≥ 50 kPa for tear-resistant substrates
Slipperiness	No performance determined

Annex B

Installation

The categorization levels and performance benchmarks for roof waterproofing are contingent upon adherence to specific installation protocols outlined in the manufacturer's technical documentation. This includes, but is not limited to:

- Employing appropriately trained personnel for installation procedures.
- Exclusively utilizing components designated as part of the kit.
- Employing the necessary tools and additives as specified.
- Adhering to prescribed precautions during installation.
- Conducting thorough inspections to verify roof surface cleanliness and preparation.
- Ensuring compliance with suitable weather and curing conditions.
- Maintaining a specified thickness of cured waterproofing, relative to the utilized reinforcing material.
- Performing inspections throughout the installation process and documenting the results comprehensively.

Compliance with these installation guidelines is paramount to accurately assessing the levels of use categories and the performance expectations of the roof waterproofing system.