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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

Designated according to Article 29 of Regulation (EU) No 305/2011

European Technical Assessment

ETA-24/0666
of (14.08.2024)

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

Trade name of the construction product	CERMIPROOF PU
Product family to which the constructionproduct 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 partof this assessment Annex may contain confidential information and is/are notincluded in the European Technical Assessment when thatassessment 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

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),

2. Polyester fleece "Geotextile" with a grammage ranging from 50 to 150 g/m^2,

3. Waterproofing membrane "CERMIPROOF PU" 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 PU " 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	-	

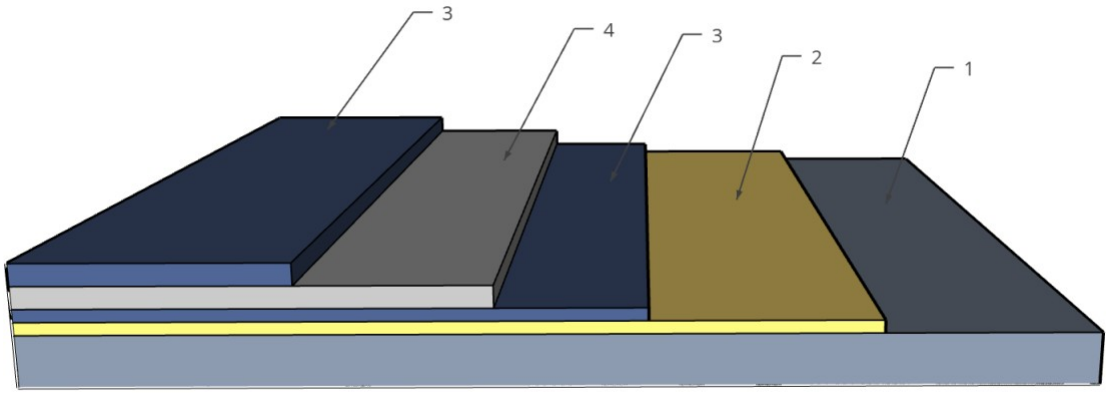
5. Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

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 14.08.2024
by
UĞUR GEDİK

e-imzalıdır/e-signed
Uğur GEDİK
GENEL MÜDÜR/GENERAL MANAGER

Annex A



1: Substrate
2: Primer if needed – CERMIPRIME EPR 2C
Waterproofing layer – CERMIPROOF PU
4: Fleece layer (nominal weight 110 g/m^2)

Classification of the roof waterproofing system "CERMIPROOF PU"

Minimum consumption		2.0 kg/m^2
Minimum layer thickness		2.0 mm
Classification to use categories according to EAD 030350-00-0402:		
Working life		W3 (25 years)
Climatic zones		S (severe climate)
Resistance to mechanical damage (perforation)		Compressible and non-compressible substrates: P1 to P4 (from low to special)
Roof slope		S1 to S4 (each roof slope)
Lowest surface temperature		TL4 (-30 °C)
Highest surface temperature		TH4 (90 °C)
Use category regarding BWR 3		S/W 2
Performances of the product:		
Reaction to fire	EN 13501-1	Class E
External fire performance	EN 13501-5	F_{ROOF}(t1)*
Water vapour diffusion resistance factor		μ = 1980
Watertightness		passed
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.