



## European Technical Assessment

**ETA-21/0310  
of 05/10/2021**

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

### GENERAL PART

<b>Technical Assessment Body issuing the European Technical Assessment:</b>	Centre Scientifique et Technique du Bâtiment (CSTB)
<b>Trade name of the construction product:</b>	<b>ROOFTHAN SEL</b>
<b>Product family to which the construction product belongs:</b>	Product Area Code: 03 Liquid applied roof waterproofing on the basis on polyaspartic resins
<b>Manufacturer:</b>	Cimentol 7 rte de Bù 78550 HOUDAN France
<b>Manufacturing plant(s):</b>	Cimentol 7 rte de Bù 78550 HOUDAN France
<b>This European Technical Assessment contains:</b>	6 pages including 1 Annex(es) which form an integral part of this assessment
<b>This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of:</b>	European Assessment Document (EAD) No 030350-00-0402

*Only the French version is authentic.*

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## SPECIFIC PART

### 1. Technical description of the product

The liquid applied roof waterproofing "ROOFTHAN SEL" is a kit consisting of two products : "ROOFTHAN PRIMER SEL" and "ROOFTHAN FINITION SEL" based on quick-drying polyaspartic, resin 100% dry extract and solvent-free.

Application is done in 4 steps :

1. Application of a primer coat of "ROOFTHAN PRIMER SEL" (6 to 8 m<sup>2</sup>/kg).

Drying time.

2. Application of a layer of "ROOFTHAN FINITION SEL" (1.75 kg/m<sup>2</sup>).
3. Incorporation of the polyester fiber "CIM POLYTOILE PREMIUM" on the layer of "ROOFTHAN FINITION SEL" still fresh, by pressing with a smoothing trowel or roller. (50 g/m<sup>2</sup>)
4. Application of a layer of "ROOFTHAN FINITION SEL" (1.75 kg/m<sup>2</sup>).

As an assembled system, these components form a continuous and homogenous roof waterproofing system. The kit " ROOFTHAN SEL" is UV resistant and directly accessible by pedestrians. This coating can be intended for the waterproofing of roofs, terraces accessible to pedestrians, balconies, loggias and passageways.

There are **other commercial names for the "ROOFTHAN SEL" process:**

<b><u>Process :</u></b>	ROOFTHAN SEL	WATHAN SEL	WATFLEX SEL
<b><u>Primer :</u></b>	ROOFTHAN PRIMER SEL	WATHAN PRIMER SEL	WATFLEX PRIMER SEL
<b><u>Base coat :</u></b>	ROOFTHAN FINITION SEL	WATHAN FINITION SEL	WATFLEX FINITION SEL
<b><u>Fiber :</u></b>	CIM POLYTOILE PREMIUM	CIM POLYTOILE PREMIUM	CIM POLYTOILE PREMIUM
<b><u>Top coat</u></b>	ROOFTHAN FINITION SEL	WATHAN FINITION SEL	WATFLEX FINITION SEL

## **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 l'EAD 030350-00-0402 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 EAD 030350-00-0402.

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: Performance not assessed.

External fire performance: Performance not assessed.

### **3.3 Hygiene, health and the environment (BWR 3)**

#### **3.3.1 Water vapour permeability**

Water vapour permeability factor ( $\mu$ ) is 8 671.

#### **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 P3 at the lowest surface temperature TL3 and the highest surface temperature TH3.

#### **3.3.4 Resistance against ageing**

Performance and 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**

Performance not assessed.

#### **3.3.6 Release of dangerous substances**

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

**3.4 Safety and accessibility in use (BWR 4)**

**3.4.1 Resistance to wind load**

Bond strength on concrete substrate is > 50 kPa.

**3.4.2 Resistance to slipperiness**

Performance not assessed.

**3.5 Protection against noise (BWR 5)**

Performance not assessed.

**3.6 Energy economy and heat retention (BWR 6)**

Performance not assessed.

**3.7 Sustainable use of natural resources (BWR 7)**

Performance not assessed.

**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:

Product	Intended uses	Level or Class	System
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 22/10/2021 By



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**Applicable to roof waterproofing " ROOFTHAN SEL ":**

Minimum layer thickness	2.5 mm
Minimum quantity consumed	3.46 kg/m <sup>2</sup>
<u>Levels of use categories according to EAD 030350-00-0402 with relation to :</u>	
Working life	W2
Climatic zones	S
Imposed loads	Non compressive substrate P3
Roof slope	S1 à S4
Lowest surface temperature	TL3
Highest surface temperature	TH3
<u>Performance du kit :</u>	
External fire performance	No performance assessed
Reaction to fire	No performance assessed
Water vapour diffusion resistance factor	$\mu \approx 8\,671$
Watertightness	Watertight
Statement on dangerous substances	isocyanates
Resistance to plant roots	No performance assessed
Resistance to wind loads	$\geq 50$ kPa on concrete substrate
Resistance to slipperiness	No performance assessed

<b>Roof waterproofing " ROOFTHAN SEL "</b> <i>Liquid applied roof waterproofing on the basis of polyaspartic resins</i>	<b>ANNEX 1 (1/2)</b> <b>of ETA-21/0310</b>
<b>Characteristics of " ROOFTHAN SEL "</b>	

**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 by processing of appropriate minimum quantities of material, of at least: 2,5 mm
- inspections during installation and of the finished roof waterproofing and documentation of the results.

<p><b>Roof waterproofing " ROOFTHAN SEL"</b> <i>Liquid applied roof waterproofing on the basis of polyaspartic resins</i></p>	<p><b>ANNEX 1 (2/2)</b> of ETA-21/0310</p>
<p><b>Characteristics of " ROOFTHAN SEL"</b></p>	