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

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European Technical Assessment

ETA-15/0240 of 16/06/2015

(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:	**Procédé SINOTANE**
Product family to which the construction product belongs:	Product Area Code: 03 Liquid applied roof waterproofing on the basis on polyurethane polymers
Manufacturer:	RESIPOLY CHRYSOR Zone industrielle 17 rue de la Marine F – 94290 VILLENEUVE LE ROI
Manufacturing plant(s):	RESIPOLY CHRYSOR Zone industrielle 17 rue de la Marine F – 94290 VILLENEUVE LE ROI ZA rue des Ht Champs F – 72470 St MARS LA BRIERE
This European Technical Assessment contains:	6 pages including 1 Annex(es) which form an integral part of this assessment
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)

SPECIFIC PART

1. Technical description of the product

The liquid applied roof waterproofing "Procédé SINOTANE" is a kit which consists of :

- Primer : SINOPRIM R (Only for concrete substrate)
- Waterproofing : One layer of SINOTANE 2 (Two components polyurethane resin hot projected with a consumption of 2 kg/m²)
- Optional Finishing layer : ISOPLAST 2301S

The kit "Procédé SINOTANE" is UV resistant and directly accessible by pedestrians and for inverted roof, garden and vegetalised roof

The minimum layer thickness of the roof waterproofing applied amounts to 1,5 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 2850.

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 P4 at the lowest surface temperature TL3 et and the highest surface temperature TH4.

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

Kit is resistant to plant root.

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 16/06/2015

by

Charles BALOCHE, Technical Manager of the CSTB

Applicable to roof waterproofing "Procédé SINOTANE":

Uses	**Pedestrian accessibility**	**Vegetalised et Garden roofs Inverted roof**
	With finition layer	Without finition layer
Minimum layer thickness	1,5 mm	1,5 mm
Minimum quantity consumed	2 kg/m²	2 kg/m²
Levels of use categories according to ETAG 005 with relation to :		
Working life	W2	W2
Climatic zones	S	S
Imposed loads	P3 à P4	P4
Roof slope	S1 à S4	S1 à S4
Lowest surface temperature	TL3	TL3
Highest surface temperature	TH4	TH4
Performance du kit :		
Resistance to spreading fire and radiant heat	class F (no performance determined)	class F (no performance determined)
Reaction to fire	class F (no performance determined)	class F (no performance determined)
Water vapour diffusion resistance factor	μ ≈ 2850	μ ≈ 2850
Watertightness	Watertight	Watertight
Statement on dangerous substances	Does not contain any	Does not contain any
Resistance to plant roots	Sans objet	Resistant to plant root
Resistance to wind loads	≥ 50 kPa on concrete substrate	≥ 50 kPa on concrete substrate
Resistance to slipperiness	No performance determined	No performance determined

Roof waterproofing ‘’Procédé SINOTANE’’

Liquid applied roof waterproofing on the basis of polyurethane

Characteristics of ‘’Procédé SINOTANE’’

ANNEX 1 (1/2)
of ETA-15/0240

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 1,5 mm by processing of appropriate minimum quantities of material,
- inspections during installation and of the finished roof waterproofing and documentation of the results.

Roof waterproofing ''Procédé SINOTANE'' *Liquid applied roof waterproofing on the basis of polyurethane*	**ANNEX 1 (2/2)** of ETA-15/0240
Intended use of ''Procédé SINOTANE''	