

Approval body for construction products
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and
Laender Governments



European Technical Assessment

ETA-08/0299
of 18 June 2018

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the
European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

Rubson Silicone Liquido SL 3000
Rubson Silicona Liquida SL 3000
Rubson ΥΓΡΗ ΣΙΛΙΚΟΝΗ SL 3000

Product family
to which the construction product belongs

Liquid applied roof waterproofing kit on the basis of water
dispersible polymers

Manufacturer

Henkel Iberica
Corcega 480.492
08025 BARCELONA
SPANIEN

Manufacturing plant

Henkel AG & Co. KGaA
Standort Hannover
Sichelstraße 1
30453 Hannover
DEUTSCHLAND

This European Technical Assessment
contains

6 pages including 2 annexes 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

ETAG 005 Part 8: "Specific stipulations for kits based on
water dispersible polymers",
used as EAD according to Article 66 Paragraph 3 of
Regulation (EU) No 305/2011.

This version replaces

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Specific part

1 Technical description of the product

The liquid applied roof waterproofing "Rubson Silicone Liquido SL 3000" / Rubson Silicona Liquida SL 3000" / "Rubson ΥΤΡΗ ΣΙΛΙΚΟΝΗ SL 3000" is a kit, which consists of the components:

- primer "Rubson xxx SL3000 Primer"
- liquid applied roof waterproofing "Rubson xxx SL3000" on the basis of a water dispersible silicone solution
- polyester fleece layer "Rubson xxx SL3000 Fleece" as reinforcement

For an adequate adhesion of the waterproofing layer – depending on the type of substrate – a primer is required. In general the primer belonging to the substrate is given in the manufacturer technical documents¹. In single cases the manufacturer is responsible to give guidance which pretreatment/primer is required.

As an assembled system these components form a homogeneous seamless roof waterproofing. The components and the system build-up of the roof waterproofing "Rubson xxx SL3000" are given in Annex A.

2 Specification of the intended use in accordance with the applicable European Assessment Document

The product is used for the waterproofing of roof surfaces against penetration of atmospheric water.

The product is suitable for compressible substrates (e.g. insulation boards) and non compressible substrates (e.g. steel, concrete).

In the technical file the manufacturer give information concerning the substrates which the product is suitable for and on how these substrates shall be pre-treated.

The levels of use categories are given in Annex A.

The verification and assessment methods on which this European Technical Assessment is based lead to the assumption of working life of the product of 10 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

The levels of use categories and performances given in Section 3 are only valid if the liquid applied roof waterproofing is used in compliance with the specifications and conditions given in Annex B and the installation instructions of the manufacturer stated in the technical documents.

¹ The manufacturer's technical documents comprises all information necessary for the production and the installation of the product as well as for repair of the roof waterproofing made from that and it is deposited with DIBt.

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

3.1 Safety in case of fire (BWR 2)

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

3.2 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Water vapour permeability	See Annex A
Watertightness	See Annex A
Content, emission and/or release of dangerous substances:	no performance assessed
Release scenario regarding BWR3:	S/W 2
Resistance to mechanical damage (perforation)	See Annex A
Resistance to plant roofs	See Annex A

3.3 Safety and accessibility in use (BWR 4)

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

3.4 General aspects

The verification of durability and serviceability is part of testing the essential characteristics. Durability and serviceability is only ensured if the specifications of intended use according to Annex B and the specifications of the technical file of the manufacturer are kept.

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

In accordance with ETAG 005 used as EAD, the applicable European legal act is: 98/599/EC.

The system to be applied is: 3

In addition, with regard to e.g. reaction to fire for products covered by this ETAG the applicable European legal act is: 2001/596/EG

The system to be applied is: 3

English translation prepared by DIBt

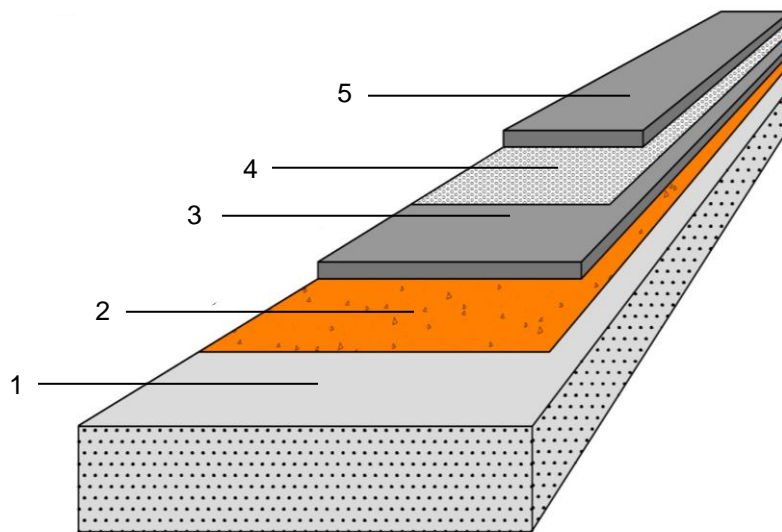
5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 18 June 2018 by Deutsches Institut für Bautechnik

BD Dipl.-Ing. Andreas Kummerow
Head of Department

beglaubigt:
Gnamou



Components

- 1 substrate
- 2 primer "Rubson xxx SL3000 Primer" (where required)
- 3 1st layer of liquid synthetic material "Rubson xxx SL3000"
- 4 Polyester fleece layer "Rubson xxx SL3000 Fleece"
- 5 2nd layer of liquid synthetic material "Rubson xxx SL3000"

Applicable to the roof waterproofing **"Rubson Silicone Liquido SL 3000" / "Rubson Silicona Liquida SL 3000" / "Rubson ΥΓΡΗ ΣΙΑΙΚΟΝΗ SL 3000"**:

Minimum layer thickness		1.5 mm
minimum quantity consumed:		2.7 kg/m ²
<u>Levels of use categories according to ETAG 005 with relation to:</u>		
Working life:		W2 (10 years)
Climatic zones		M and S (moderate and severe climatic)
Resistance to mechanical damage (perforation)		P1 to P2
Compressible substrates and non-compressible substrates		
Roof slope		S1 to S4 (each roof pitch)
Lowest surface temperature		TL3 (-20 °C)
Highest surface temperature		TH3 (80 °C)
<u>Performance of the product:</u>		
External fire performance	EN 13501-5	B _{ROOF} (t ₁) for supporting decks stated in annex B
Reaction to fire	EN 13501-1	E
Water vapour diffusion resistance factor μ		μ ≈ 1200
Watertightness		pass
Statement on dangerous substances		no performance assessed
Resistance to plant roots		no performance assessed
Resistance to wind loads		≥ 50 kPa
Resistance to slipperiness		no performance assessed

"Rubson Silicone Liquido SL 3000" / "Rubson Silicona Liquida SL 3000" / "Rubson ΥΓΡΗ ΣΙΑΙΚΟΝΗ SL 3000"
Henkel Iberica

System built-up, levels of use categories and performances of the product

Annex A

Class B_{ROOF} (t₁)

The classification is valid for the following supporting decks:

- roof pitches < 20°
- wooden continuous deck with insulation (EPS, 100 mm) covered with 3 layers of bitumen sheets with a total thickness of 12.2 mm.
- any non-combustible continuous deck with gaps not exceeding 5 mm with insulation (EPS, 100 mm) covered with 3 layers of bitumen sheets with a total thickness of 12.2 mm.

Any other roof systems for which classification documents for B_{ROOF} (t₁) according to EN 13501-5 are available.

Installation

The levels of use categories and the performances of the roof waterproofing can be assumed only, if the installation is carried out according to the installation instructions stated in the technical file of the manufacturer, in particular taking account of the following points:

- installation by appropriately trained personnel,
- installation of only those components which are marked components of the kit,
- installation with the required tools and adjuvants
- precautions during installation,
- inspecting the roof surface for cleanliness and correct preparation, if need be, applying a primer before applying the product,
- inspecting compliance with suitable weather and curing conditions,
- ensuring a thickness of the waterproofing of at least 1.5 mm by processing appropriate minimum quantities of material,
- inspections during installation and of the finished product and documentation of the results.

"Rubson Silicone Liquido SL 3000" / "Rubson Silicona Liquida SL 3000" /
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Intended use
Specifications

Annex B