

Approval body for construction products  
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and  
Laender Governments



## European Technical Assessment

**ETA-08/0296  
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 SP 360

Product family  
to which the construction product belongs

Liquid applied roof waterproofing on the basis of water  
dispersible polymers

Manufacturer

Henkel France SA  
161 rue de Silly  
92100 BOULOGNE BILLAN COURT  
FRANKREICH

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

ETA-08/0296 issued on 12 June 2013

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## Specific Part

### 1 Technical description of the product

The liquid applied roof waterproofing "Rubson SP 360" is a kit, which consists of the components:

- primer "Rubson PR 30"
- liquid applied roof waterproofing "Rubson SP 360" on the basis of a water dispersible silicone solution
- polyester fleece layer " Rubson AR 30" 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 documents<sup>1</sup>. In single cases the manufacturer is responsible to give guidance which pretreatment/primer is required.

The minimum layer thickness of the roof waterproofing applied is 1.5 mm.

As an assembled system these components form a homogeneous seamless roof waterproofing. The components and the system build-up of the roof waterproofing "Rubson SP 360" 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.

### 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

<sup>1</sup> 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.

English translation prepared by DIBt

**3.2 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 assessed
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

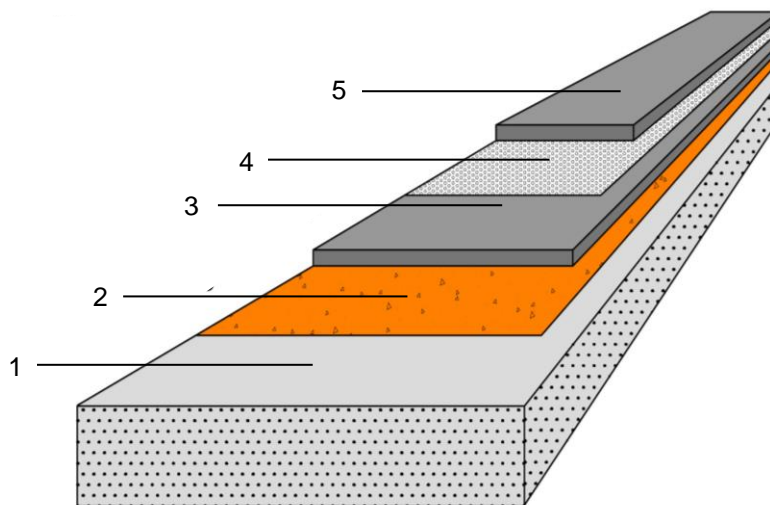
**5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD**

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:*  
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Components

- 1 substrate
- 2 primer "Rubson SP 360" (where required)
- 3 1<sup>st</sup> layer of liquid synthetic material "Rubson SP 360"
- 4 Polyester fleece layer " Rubson AR 30"
- 5 2<sup>nd</sup> layer of liquid synthetic material "Rubson SP 360"

Applicable to the roof waterproofing "**Rubson SP 360**":

Minimum layer thickness	1.5 mm	
minimum quantity consumed:	2.7 kg/m <sup>2</sup>	
<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)	
Use category related to BWR 3:	S/W 2	
<u>Performance of the product:</u>		
External fire performance	EN 13501-5	B <sub>ROOF</sub> (t <sub>1</sub> ) for supporting decks stated in annex B
Reaction to fire	EN 13501-1	E
Water vapour diffusion resistance factor μ		μ ≈ 1200
Watertightness		watertight
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 SP 360**  
Henkel France SA

**Systeme built-up, levels of use categories an performances of the product**

Annex A

## Class B<sub>ROOF</sub> (t<sub>1</sub>)

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<sub>ROOF</sub> (t<sub>1</sub>) 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 SP 360**  
Henkel France SA

**Intended use**  
Specifications

Annex B