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# European Technical Assessment

# ETA-20/0838 of 10/11/2020

## General Part

### Technical Assessment Body issuing the European Technical Assessment:

Kiwa Nederland B.V.  
Sir Winston Churchilllaan 273  
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### Trade name of the construction product

**DURABASE ET-S**

### Product family to which the construction product belongs

**Watertight covering kits based on flexible sheets for  
wet room floors and or wall**

### Manufacturer

**DURAL GmbH  
Südring 11  
56412 Ruppach – Goldhausen  
GERMANY**

### Manufacturing plant

**D/001**

### This European Technical Assessment contains

**8 pages including 1 Annex 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**

**EAD 030436-00-0503 (02.2019)**

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## 1. Technical description of the product

*DURABASE ET-S* is a watertight covering kit for wet room floors and/or walls based on flexible sheets. The kit consists of the following components:

Durabase ET-S sealing membrane:	PE/PP - membrane (yellow) coated with nonwoven both-sided (white), length: 30 m, width: 1.000 mm
Durabase ET-S internal corner:	PE/PP - inside corner (yellow) with nonwoven both-sided, length: 120 x 120 mm
Durabase ET-S external corner:	PE/PP - outside corner (yellow) with nonwoven both-sided, length: 120 x 120 mm
Durabase ET-S sealing tape:	PE/PP - membrane (yellow) coated with nonwoven both-sided, length: 50 m, width: 120 mm
Durabase ET-S pipe collar:	PE/PP - collar with nonwoven both-sided and sealing lip in the middle Dimensions: - 120 x 120 mm D: 10 - 20 mm - 150 x 150 mm D: 19 - 40 mm - 200 x 200 mm D: 40 - 80 mm Thickness: 0,6 mm
Durabase Flex 310M Classic:	MS-Polymeric adhesive for glueing overlaps and collars (white)
ET-S Classic Flex:	MS-Polymeric adhesive for glueing overlaps and collars
TREVI-PRO DICHT:	1-component mineralic sealing mud for glueing overlaps and collars
Vario – Line Plus drain collar:	PE-based drain collar with both-sided nonwoven
Vario – Line Plus channel:	Linear shower channel
TREVI-PRO Mulde channel:	Linear shower channel

The sealing kit *DURABASE ET-S* was tested with the following tile adhesives:

Product	Classification*	Product	Classification*
Sopro's No. 1 Flexkleber	C2 TE S1	Schomburg Monoflex XL	C2 TE S1
SCHÖNOX Q6	C2 TE S1	Lugato Flex Kleber	C2 T
PCI FT FLEX	C2 TE S1	Akkit 402 Flexkleber	C2 TE S1
ARDEX X77	C2 TE S1	maxit coll FXK Flexkleber	C2 TE S1
CODEX CX3	C2 TE S1	Kiesel Servor Star 2000 PLUS	C2 E S1
Mapei Ultralite S1	C2 TE S1	Schomburg Monoflex XL	C2 TE S1
SCHÖNOX Q8	C2 TE S1	Sopro Classic Plus	C2 TE
Coba CTA120	C2 TE S1	Keraflex S1	C2 TE
Murexin KGF 65	C2 TE S1	TREVI-PRO EXTRA	C2 TE S1

\*Classification according to DIN EN 12004-1 (05.2017)

## 2. Specification of the intended use in accordance with the applicable European Assessment Document (EAD 030436-00-05035)

The intended use of the covering kit:

- Indoor applications, where the kit is not exposed to temperatures (i.e. temperature of structure) below 5 °C and above 40 °C, in the following uses:
  - Floor and/or wall surfaces with only occasional direct exposure to water, e.g. at a good distance from shower or bathtub.
  - Floors and/or walls in shower areas or around bathtubs used for a few showers daily, e.g. in ordinary dwellings, multi-family houses and hotels
  - Floor and/or wall surfaces with exposure to water more frequent or of longer duration than normally anticipated in dwellings, e.g. public wet rooms, schools and sport facilities.

The various intended uses indicated above do not lead to different assessment criteria and the ETA will cover all intended uses. However the use may be limited due to national legislation in the member states.

The sealing kit is intended to be used on flexible and rigid substrates which can be moisture sensitive and non-moisture sensitive. Gullies and ceramic tiles are not part of the kit. It is up to the responsibility of the user to use suitable products.

The provisions and the verification and assessment methods included or referred to in this ETAG have been written based upon the assumed working life of the watertight covering kits for the intended use of 25 years, provided that the watertight coverings kit is subject to appropriate installation, use and maintenance. These provisions are based upon the current state of art and the available knowledge and experience.

"Assumed working life" means that it is expected that, when an assessment following the ETAG-provisions is made and when this working life has elapsed, the real working life may be, in normal use conditions, considerably longer without major degradation affecting the essential requirements.

The indications given as to the working life of a watertight covering kit cannot be interpreted as a guarantee given by the producer or the approval body. They should be regarded only by the means of choosing the appropriate criteria for watertight covering kits in relation to the expected economically reasonable working life of the works.

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

#### 3.1 Essential Requirement 1: Mechanical resistance and stability

Not relevant

#### 3.2 Essential Requirement 2: Safety in case of fire

Product characteristic	Performance
Reaction to fire	Classification E according to EN ISO 11925-2

#### 3.3 Essential Requirement 3: Hygiene, health and environment

Product characteristic	Performance
Release of dangerous substances	Declaration of the applicant
Vapour permeability (23°C – 50/90% r.h.)	$S_d = 129 \text{ m}$
Water tightness	watertight
Crack bridging ability	category 1: 0,4 mm

Bond strength	category 2: $\geq 0,3$ MPa
Joint bridging ability	category 2: watertight
Watertightness around penetrations	category 2: watertight
Joint strength	F = 230 N
Flexibility	passed

### 3.4 Essential Requirement 4: Safety in use

Product characteristic	Performance
Slipperiness	No performance determined

### 3.5 Essential Requirement 5: Protection against noise

Not relevant

### 3.6 Essential Requirement 6: Energy economy and heat retention

Not relevant

### 3.7 General aspects relating to fitness for use

Product characteristic	Performance
Dimensional stability	all directions $< \pm 1$ %
Resistance to temperature	temperature resistant
Resistance to water	water resistant
Resistance to alkalinity	alkali resistant
Thickness	0,6 mm
Applicability	applicable

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

The performance of the watertight membrane kit results from the characteristic values and categories. The supplementing statements of the manufacturer stated in the MTD for design and application of the watertight system for creating a watertight covering under wearing surface for floors and/or walls in indoor wet areas shall be considered.

The performance of the watertight membrane can be assumed only, if the following aspects are considered:

- Only those components which are specified components of the kit can be used
- The appropriate tools shall be used and adjuvant, precautions shall be taken
- Inspecting the substrate surface for cleanliness and correct treatment

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

Product	Intended use	Classification	System
Watertight covering kits for wet room floors and or walls	Indoor applications	-	2+
	According to the provisions to reaction of fire	E	3

**5. Technical details necessary for the implementation of the AVCP system**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan which is deposited at the certification body.

Issued in Rijswijk on 10/11/2020 by



Ron Scheepers  
Kiwa Nederland B.V.

**Annex 1**



Figure 1: Durabase ET-S sealing membrane



Figure 2: Durabase ET-S internal corner

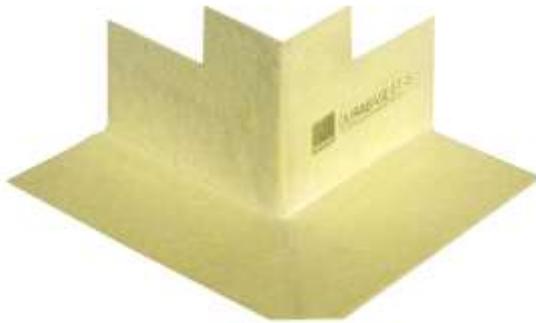


Figure 3: Durabase ET-S external corner



Figure 4: Durabase ET-S sealing tape



Figure 5: Durabase ET-S pipe collar 120/150/200mm



Figure 6: Durabase Flex 310M Classic



Figure 7: ET-S Classic Flex



Figure 8: TREVI PRO Mulde



Figure 9: Vario – Line Plus