



## European Technical Assessment

**ETA 24/1123  
de 29/01/2025**

### General Part

**Technical Assessment Body issuing the  
ETA:**

**TECNALIA RESEARCH & INNOVATION**

**Trade name of the construction product**

Revestech ECODRY50 Sistema de  
Impermeabilización de Interiores

**Product family to which the  
construction product belongs**

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

**Manufacturer**

REVESTTECH SOLUTIONS S.L.  
Calle La Rioja, 4,  
E-03006 Alicante (SPAIN)  
<https://revestech.es>

**Manufacturing plant**

REVESTTECH SOLUTIONS S.L.  
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E-03006 Alicante (SPAIN)

**This European Technical Assessment  
contains**

13 pages, including one 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 Watertight covering  
kits based on flexible sheets for wet room  
floors and or walls

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## Specific parts

### 1. Technical description of the product

“Revestech ECODRY50 Sistema de Impermeabilización de Interiores” is a watertight covering kit for wet room floors and/or walls, beneath a wearing surface, based on a flexible sheet. The kit consists of the following components:

- Flexible sheet with reference: ECODRY50.
- Corners: ECODRY50 CORNERIN and ECODRY50 CORNEROUT.
- Joining bands. ECODRY BAND 13x30, ECODRY BAND 13x5, ECODRY BAND 30x30 and ECODRY BAND 30x5.
- Adhesives:
  - ✓ Primer + Adhesive ring for sticking PVC, ABS and polyurea gullies to the sheet (LEVEL shower tray).
  - ✓ Cementitious adhesive for bonding the sheet to concrete and ceramic tiles to the sheet. Improved deformable cementitious adhesive type:C2S1 according to EN 12004.
  - ✓ Polybutene based sealant for gluing PP drain.
  - ✓ SEALPLUS adhesive for joints between sheets: ECODRY50, ECODRY50 CORNERIN/CORNEROUT, ECODRY BAND

Other components that don't form part of the kit will be:

- PP, PVC, ABS and polyurea (Level Shower Tray) gullies.
- Ceramic tiles: suitable for showers, according to the intended use and manufacturer's requirements.

Technical data sheets of the different components of the kit can be found on Annex 1.



## **2. Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)**

### **2.1 Intended use**

The product is used as watertight covering kit for indoor applications, for use beneath a wearing surface, 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 kit has been assessed for:

- Moisture sensitive substrates. Substrates (usually “flexible”) not susceptible to cracking but with jointing.
- Non moisture sensitive substrates. Substrates (usually “rigid”), homogenous but susceptible to cracking.

### **2.2 Working life**

The provisions made in this ETA are based on an assumed working life of 25 years as minimum, provided that the kit is subject to appropriate use and maintenance.

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 Assessment Body. They should be regarded only as a means for 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

The following table shows how the performance of the kit have been assessed in relation to the essential characteristics according to the EAD 030436-001-0503 *Watertight covering kits based on flexible sheets for wet room floors and or walls*.

| ESSENTIAL CHARACTERISTICS                                      | PERFORMANCE                    |                            |            |
|----------------------------------------------------------------|--------------------------------|----------------------------|------------|
| Basic Works Requirement 2: Safety in case of fire              |                                |                            |            |
| Reaction to fire                                               | Not assessed                   |                            |            |
| Basic Works Requirement 3: Hygiene, health and the environment |                                |                            |            |
| Content, emission and/or release of dangerous substances       | Not assessed                   |                            |            |
| Vapour permeability                                            | Not assessed                   |                            |            |
| Water tightness                                                | Watertight                     |                            |            |
| Crack bridging ability                                         | Category 3 (Crack with 1,5 mm) |                            |            |
| Bond strength                                                  | Concrete                       | Category 3                 |            |
|                                                                | Gypsum Board                   | Category 1                 |            |
| Scratching resistance                                          | Not relevant                   |                            |            |
| Joint bridging ability                                         | The kit can bridge joints      |                            |            |
| Water tightness around penetrations                            | Watertight                     |                            |            |
| Resistance to temperature                                      | Longitudinal                   | F <sub>max</sub> (N/50 mm) | 492 ± 15   |
|                                                                |                                | ε <sub>Fmax</sub> (%)      | 36,2 ± 0,9 |
|                                                                | Transversal                    | F <sub>max</sub> (N/50 mm) | 151 ± 5    |
|                                                                |                                | ε <sub>Fmax</sub> (%)      | 217,9 ± 7  |
| Resistance to water                                            | Category 3                     |                            |            |
| Resistance to alkalinity                                       | Category 1                     |                            |            |
| Resistance to mechanical wear                                  | Not relevant                   |                            |            |



| ESSENTIAL CHARACTERISTICS                       | PERFORMANCE  |
|-------------------------------------------------|--------------|
| Joint strength                                  | Not assessed |
| Flexibility                                     | Not assessed |
| <b>Basic Works Requirement 4: Safety in use</b> |              |
| Slipperiness                                    | Not relevant |
| Cleanability                                    | Not relevant |
| Thickness (mm)                                  | 0,51±0,01    |



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

According to the European Commission Decision 2003/655/, the applicable AVCP system is 2 + except for uses subject to regulations of reaction to fire. For uses subject to regulation on reaction to fire the applicable AVCP systems is 4.

The AVCP system are described in Annex V of Regulation (EU) N° 305/2011, as amended by Delegated Regulation (EU) N° 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 Assessment and Verification of Constancy of Performance (AVCP) system are laid down in the control plan deposited at Tecnalia Research & Innovation.

The Control Plan is a confidential part of the ETA and is only handed over to the notified body involved in the assessment and verification of constancy of performance.

Issued in Azpeitia, on 29/01/2025



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## Annex 1 Technical datasheets of the components

# ECODRY50

## TECHNICAL DATA SHEET

revestech®



0273/014-00P-0103/04/08  
EN 12708:2012

### Description

Eco-responsible membrane for waterproofing under protection layer of small flat walkable roofs (balconies and terraces) and bathrooms, walls and floors in interior wet areas. It is composed of a polymeric membrane of high-performance thermoplastic polyolefins OPE (EVA-based Circular Polymer), resulting from the transformation and treatment of circular economy raw materials, and extruded on polyester fibers.

| Reference | Description  | Presentation                 |
|-----------|--------------|------------------------------|
| 596351752 | ECODRY50 450 | Roll of 1,5 m x 30 m (45 m²) |
| 596351951 | ECODRY50 30  | Roll of 1,2 m x 30 m (36 m²) |
| 596351769 | ECODRY50 75  | Roll of 1,5 m x 5 m (7,5 m²) |
| 596351968 | ECODRY50 5   | Roll of 1,2 m x 5 m (6 m²)   |



| Features                      | Test Method        | Unit        | Tolerance                    | Value                |
|-------------------------------|--------------------|-------------|------------------------------|----------------------|
| Weight                        | EN 1849-2          | g/m²        | MDV: -5 % and + 10 %         | 335                  |
| Thickness                     | EN 1849-2          | mm          | MDV: -5 % and + 10 %         | 0,52                 |
| Water tightness               | EN 1028 Meth. B    |             |                              | PASS                 |
| Tensile strength              | EN 12311-2 Meth. A | N/50 mm     | MLV L ≥ 450<br>MLV T ≥ 150   | L = 450<br>T = 150   |
| Elongation                    | EN 12311-2 Meth. A | %           | MLV L ≥ 25<br>MLV T ≥ 200    | L = 25<br>T = 200    |
| Overlap resistance            | EN 12317-2         | N/50 mm     | MLV ≥ 800                    | 800                  |
| Impact resistance             | EN 12691           | mm          | MLV T ≥ 200                  | 200                  |
| Static load resistance        | EN 12730 Meth. B   | Kg          | MLV ≥ 20                     | 20                   |
| Pliability at low temperature | EN 406-5           | °C          | MLV ≥ 40                     | -40                  |
| Reaction to fire              | EN 13501-1         | Euroclasses |                              | E                    |
| Length                        | EN 1849-2          | m           | MDV: -0 % and +5 %           | 5 and 30             |
| Width                         | EN 1849-2          | m           | MDV: -0,5 % and + 1 %        | 1,12<br>y 1,5        |
| Visible defects               | EN 1850-2          |             |                              | PASS                 |
| Straightness                  | EN 1849-2          | mm          | MLV g ≤ 50                   | 50                   |
| Flatness                      | EN 1849-2          | mm          | MLV p ≤ 10                   | 10                   |
| Dimensional stability         | EN 1107-02         | %           | MLV L ≤ -0,2<br>MLV T ≤ -0,7 | L = -0,2<br>T = -0,7 |

MLV: Manufacturer's Limiting Value, MDV: Manufacturer's Declared Value.

### Storage

Store in original unopened packing, protect from moisture, in place properly ventilated at a maximum temperature of 30°C. Protect from direct sunlight.



Last updated: 27/02/23

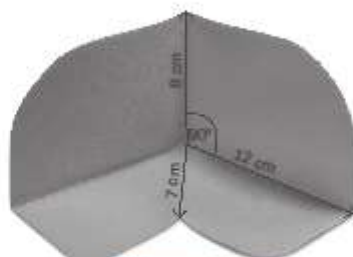
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# ECODRY50 CORNERIN **revestech®**

## ECODRY50 CORNEROUT

### TECHNICAL DATA SHEET



ECODRY50 CORNERIN



ECODRY50 CORNEROUT

#### Description

Waterproof reinforcement corners **ECODRY50** with thermoformed corner to cover indoor and outdoor 90° and 270° angles.

| Reference | Description        | Presentation   |
|-----------|--------------------|----------------|
| 598351812 | ECODRY50 CORNERIN  | 2 pcs. per bag |
| 598351829 | ECODRY50 CORNEROUT | 2 pcs. per bag |

#### CE MARKED MEMBRANE

1170/014-DdP-2022/00/00  
EN 13956:2012



| Features                      | Test Method        | Unit        | Tolerance                    | Value                     |
|-------------------------------|--------------------|-------------|------------------------------|---------------------------|
| Weight                        | EN 1840-2          | g/m²        | MDV: -5 % and +10 %          | 335                       |
| Thickness                     | EN 1840-2          | mm          | MDV: -5 % and +10 %          | 0,52                      |
| Water tightness               | EN 1028 Meth. B    |             |                              | PASS                      |
| Tensile strength              | EN 12311-2 Meth. A | N/50 mm     | MLV L ≥ 450<br>MLV T ≥ 150   | L = 450<br>T = 150        |
| Elongation                    | EN 12311-2 Meth. A | %           | MLV L ≥ 25<br>MLV T ≥ 200    | L = 25<br>T = 200         |
| Overlap resistance            | EN 12317-2         | N/50 mm     | MLV ≥ 800                    | 800                       |
| Impact resistance             | EN 12601           | mm          | MLV T ≥ 200                  | 200                       |
| Static load resistance        | EN 12730 Meth. B   | Kg          | MLV ≥ 20                     | 20                        |
| Pliability at low temperature | EN 406-5           | °C          | MLV ≥ 40                     | -40                       |
| Reaction to fire              | EN 13501-1         | Euroclasses |                              | E                         |
| Length                        | EN 1848-2          | m           | MDV: -0 % and +5 %           | see dimensions in picture |
| Width                         | EN 1848-2          | cm          | MDV: -0,5 % and +1 %         | see dimensions in picture |
| Visible defects               | EN 1850-2          |             |                              | PASS                      |
| Straightness                  | EN 1848-2          | mm          | MLV g ≤ 50                   | 50                        |
| Flatness                      | EN 1848-2          | mm          | MLV p ≤ 10                   | 10                        |
| Dimensional stability         | EN 1107-02         | %           | MLV L ≤ -0,2<br>MLV T ≤ -0,7 | L = -0,2<br>T = -0,7      |

MLV: Manufacturer's Limiting Value. MDV: Manufacturer's Declared Value.



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# ECODRY50 BAND

## TECHNICAL DATA SHEET

revestech®

### Product

Waterproof strip for joints.

### Description

ECODRY50 waterproof membrane is presented in a strip roll for covering and sealing the joints and encounters between ECODRY50, ECODRY80, ACU200 and ECODRY120 membranes. It must be used along with SEAL PLUS adhesive.

|           |                     |                               |
|-----------|---------------------|-------------------------------|
| 596361778 | ECODRY50 BAND 12X30 | Roll of 30 m x 12,7 cm (1ud.) |
| 596361783 | ECODRY50 BAND 30X30 | Roll of 30 m x 30 cm (1ud.)   |
| 596362094 | ECODRY50 BAND 50X30 | Roll of 30 m x 48 cm (1ud.)   |



### CE MARKED MEMBRANE

1170/014-DdP-2022/06/00  
EN 13956:2012



| Features                       | Test Method        | Unit        | Tolerance                      | Value                |
|--------------------------------|--------------------|-------------|--------------------------------|----------------------|
| Weight                         | EN 1840-2          | g/m²        | MDV: -5 % and +10 %            | 335                  |
| Thickness                      | EN 1840-2          | mm          | MDV: -5 % and +10 %            | 0,52                 |
| Watertightness                 | EN 1028 Meth. B    |             |                                | PASS                 |
| Tensile strength               | EN 12311-2 Meth. A | N/50 mm     | MLV/ L ≥ 450<br>MLV/ T ≥ 150   | L = 450<br>T = 150   |
| Elongation                     | EN 12311-2 Meth. A | %           | MLV/ L ≥ 25<br>MLV/ T ≥ 200    | L = 25<br>T = 200    |
| Overlap resistance             | EN 12317-2         | N/50 mm     | MLV/ ≥ 800                     | 800                  |
| Impact resistance              | EN 12891           | mm          | MLV/ T ≥ 200                   | 200                  |
| Static load resistance         | EN 12730 Meth. B   | Kg          | MLV/ ≥ 20                      | 20                   |
| Flexibility at low temperature | EN 405-5           | °C          | MLV/ ≥ 40                      | -40                  |
| Reaction to fire               | EN 13501-1         | Euroclasses |                                | E                    |
| Length                         | EN 1848-2          | m           | MDV: -0 % and +5 %             | 30                   |
| Width                          | EN 1848-2          | cm          | MDV: -0,5 % and +1 %           | 12,7, 30 and 48      |
| Visible defects                | EN 1850-2          |             |                                | PASS                 |
| Straightness                   | EN 1848-2          | mm          | MLV/ g ≤ 50                    | 50                   |
| Flatness                       | EN 1848-2          | mm          | MLV/ p ≤ 10                    | 10                   |
| Dimensional stability          | EN 1107-02         | %           | MLV/ L ≤ -0,2<br>MLV/ T ≤ -0,7 | L = -0,2<br>T = -0,7 |

MLV: Manufacturer's Limiting Value. MDV: Manufacturer's Declared Value.

### Storage

Store in original unopened packing, protect from moisture, in place properly ventilated at a maximum temperature of 30°C. Protect from direct sunlight.



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# SEALPLUS

## TECHNICAL DATA SHEET

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### Description

Elastic adhesive suitable for sealing and bonding joints in revestech systems. Based on high quality silane-modified polymers, single component, high modulus. Remains elastic after set. Excellent adhesion and chemical resistance. Product free of isocyanates and silicones, with very low emissions of organic compounds volatile, respects the environment and the health of users.

| Reference | Description                                                                                                   | Presentation                                                                                                                                                  |       |                                                                                                               |
|-----------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------|
| 544010670 | SEALPLUS 6                                                                                                    | 6 kg pot                                                                                                                                                      |       |                                                                                                               |
|           |                                                                                                               | <table><tr><td>YIELD</td><td>Practical yield of 6 kg pot= 40-45 m2 of surface.<br/>Theoretical yield: 1 kg = 7-7,5 metres of joint.</td></tr></table>         | YIELD | Practical yield of 6 kg pot= 40-45 m2 of surface.<br>Theoretical yield: 1 kg = 7-7,5 metres of joint.         |
| YIELD     | Practical yield of 6 kg pot= 40-45 m2 of surface.<br>Theoretical yield: 1 kg = 7-7,5 metres of joint.         |                                                                                                                                                               |       |                                                                                                               |
| 544012958 | SEALPLUS 0600                                                                                                 | Blister de 600 ml                                                                                                                                             |       |                                                                                                               |
|           |                                                                                                               | <table><tr><td>YIELD</td><td>Practical yield of blister: 600 ml = 5-6 m2 of surface.<br/>Theoretical yield: 600 ml = 5,5-8 metres of joint.</td></tr></table> | YIELD | Practical yield of blister: 600 ml = 5-6 m2 of surface.<br>Theoretical yield: 600 ml = 5,5-8 metres of joint. |
| YIELD     | Practical yield of blister: 600 ml = 5-6 m2 of surface.<br>Theoretical yield: 600 ml = 5,5-8 metres of joint. |                                                                                                                                                               |       |                                                                                                               |



SEALPLUS 6



SEALPLUS 0600

### Features

Appearance: light brown coloured paste

Package: 6 kg can / 600 ml blister

Conservation = 12 months in original unopened packing

Warnings: avoid direct exposure to sunlight and sources of heat.

Temperature limit: apply from +10°C to +35°C and with residual moisture content < 80%

Open time = 80 minutes at 23°C and with residual moisture content 50%

Foot traffic= from 12 h to 24 h

Interval before normal use = 3 days

|                     | Test method | Unit              | Value            |
|---------------------|-------------|-------------------|------------------|
| Density             | UNE-EN 542  | g/cm <sup>3</sup> | 1,60-1,64        |
| Tensile strength    | DIN 53504   | N/mm <sup>2</sup> | <2               |
| Elongation at break | DIN 53504   | %                 | 200-400          |
| Hardness Shore A    | DIN 53505   | SHORE A           | 45-55            |
| Thermal resistance  |             | °C                | From -20 to + 80 |

Values taken at +23°C temperature, 50% R.H. and no ventilation. They may vary depending on the specific site conditions: temperature and absorption of the support.

### Instructions for use

Apply from +10°C to +35°C and with residual moisture content < 80%. Apply evenly over the Revestech membrane, using a suitable spreader (without tooth), pressing down hard enough to ensure full contact the membrane with the adhesive. Gloves should be worn during application. Once applied, the product must not be exposed to UV radiation for more than one week.

### Storage

Store in original unopened packing, protect from moisture, in a properly ventilated place at a maximum temperature of 30°C.



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ADHESIVE RING

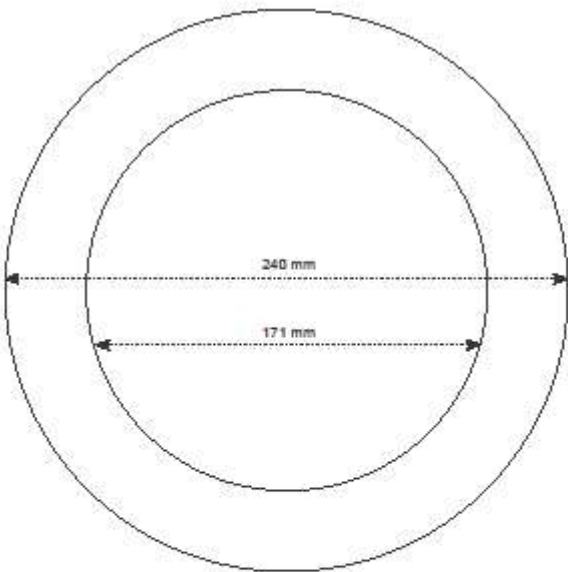
TECHNICAL DATA SHEET

revestech®

**Product**  
Thermoweldable sheet formed by polyurethane adhesive with both sides covered by polyester fibre.

| Features              | Unit | Value     |
|-----------------------|------|-----------|
| measurements          | mm   | See below |
| Softening temperature | °C   | 62-66     |
| Process temperature   | °C   | 130-160   |

**Storage**  
Store in original unopened packing, protect from moisture, in place properly ventilated at a maximum temperature of 30oC. Protect from direct sunlight.



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# POLYBUTENE ADHESIVE

## TECHNICAL DATA SHEET

**revestech®**

### Description

Polybutene tape for joint sealing.

| FEATURES                      | Test method       | Unit              | Value              |
|-------------------------------|-------------------|-------------------|--------------------|
| Thickness                     | ASTM D-3652       | mm                | 0,8                |
| Weight                        | EN 1849-2         | g/m <sup>2</sup>  | 50                 |
| Watertight                    | EN 1928 + EN 1847 |                   | PASS               |
| Tensile strength              | EN 12311-2        | N/mm <sup>2</sup> | L ≥ 4<br>T ≥ 4     |
| Elongation at break           | EN 12311-2        | %                 | L ≥ 50<br>T ≥ 50   |
| Adhesion to steel             | ASTM D-3330       | N/cm              | ≥ 11               |
| Impact resistance             | EN 12691          | mm                | 150                |
| Static load resistance        | EN 12730 Method B | kg                | < 5                |
| Tear strength                 | EN 12310-2        | N                 | L ≥ 40<br>T ≥ 60   |
| Strength of union             | EN 12317-2        | N/cm              | ≥ 240              |
| Adhesion strength             | ASTM D-6195       | N                 | ≥ 33               |
| Moisture resistance factor    | EN 1931           | µm                | 170000             |
| Application temperature range | INTERNAL          | °C                | [+ 5 °C, + 35 °C]  |
| Operating temperature range   | INTERNAL          | °C                | [- 20 °C, + 80 °C] |

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