

Approval body for construction products
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and
Laender Governments



European Technical Assessment

ETA-21/0943
of 6 December 2023

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

REGUPOL everroll ultimate

Product family
to which the construction product belongs

Floorings

Manufacturer

REGUPOL Germany GmbH & Co. KG
Am Hilgenacker 24
57319 Bad Berleburg

Manufacturing plant

REGUPOL Germany GmbH & Co. KG
Am Hilgenacker 24
57319 Bad Berleburg

This European Technical Assessment
contains

5 pages 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

190026-00-0502

This version replaces

ETA-21/0943 issued on 19 July 2022

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Specific Part

1 Technical description of the product

This European Technical Assessment applies to the resilient flooring "REGUPOL everroll ulitmate", hereinafter referred to as floorings. The floorings consist of EPDM granules with polyurethane as binder.

This European Technical Assessment applies to floorings with the following thicknesses and weight per unit area:

Table 1.1: Flooring thickness and corresponding weight per unit area

| Thickness [mm] | Weight per unit area $\pm 10\%$ [g/m ²] |
|----------------|---|
| 4 | 5314 |
| 6 | 7971 |
| 8 | 10628 |
| 10 | 13285 |
| 12 | 15942 |

Applied adhesives and edge terminations are not part of this European Technical Assessment.

The European Technical Assessment has been issued for the products on the basis of agreed data/information, deposited with Deutsches Institut für Bautechnik. The European Technical Assessment applies only to products corresponding to this agreed data/information.

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

The floorings are intended for indoor use, especially for gymnasiums, trade fairs and sports facilities. They can be laid on various substrates. The floorings may only be installed on dry, clean, pressure-resistant and load-bearing subfloors. They should also be free of cracks, oil, sealants and coatings, adhesive residues and other foreign substances.

Performances in Section 3 can only be assumed if the flooring materials are installed in accordance with the manufacturer's application guidelines and are protected from precipitation, weathering and moisture when installed and during transportation, storage and installation. Furthermore, performance shall be determined in accordance with the specifications and conditions given in Section 2 of the appropriate evaluation document EAD No. 190026-00-0502.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the floor coating system of at least 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.

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 |
|---|--|
| Reaction to fire | Class C _{fi} -s1* According to EN 13501-1:2018 |
| * When used as a horizontally laid flooring according to Table 1 (glued or not glued) on substrates of classes A1 or A2-s1, d0 (thickness ≥ 6 mm, bulk density ≥ 1350 kg/m ²) | |

3.2 Hygiene, health and the environment (BWR 3)

| Essential characteristic | Performance | | |
|---|--|--------------------------|---------------------------|
| Content, emission and/or release of dangerous substances | | | |
| Substances classified as Carc. 1A/1B ^{a)} | None of these raw materials are actively used in the manufacture of the construction product. ^{b)} | | |
| Substances classified as Muta. 1A/1B ^{a)} | | | |
| Substances classified as Acute Tox. 1, 2, 3; Repr. 1A/1B; STOT SE 1 and STOT RE 1 ^{a)} | | | |
| PAH content | Performance not relevant (does not contain recycled rubber) | | |
| N-Nitrosamines | < 11 µg/kg ^{c)} | | |
| SVOC and VOC | The product with 12 mm thickness was tested and evaluated for emission of dangerous substances (according to EN 16516) using the loading factor L = 0,4 m ² /m ³ for floors. ^{c)} | | |
| | | 3 days | 28 days |
| | Carcinogens (Cat. 1A/1B) | < 0.01 mg/m ³ | < 0.001 mg/m ³ |
| | TVOC _{spez} | < 10 mg/m ³ | < 1.0 mg/m ³ |
| | TSVOC | | < 0.1 mg/m ³ |
| | TVOC without NIK ¹ | | < 0.1 mg/m ³ |
| | R-value | | < 1 |
| Release scenarios regarding BWR 3: IA1 | | | |

^{a)} In accordance with Regulation (EG) Nr. 1272/2008.

^{b)} Assessment based on the detailed manufacturers' statements on dangerous substances.

^{c)} Statement according to test report.

3.3 Safety and accessibility in use (BWR 4)

| Essential characteristic | Performance |
|---|-------------|
| Electrostatic behaviour Test according to EN 1815 | -2.0 kV |
| Gliding performance Test according to EN 13893 | Class DS |
| Tensile strength Test according to DIN EN ISO 1798 for 6 mm thickness | ≥ 1300 kPa |
| Elongation at break Test according to DIN EN ISO 1798 for 6 mm thickness | ≥ 100 % |
| Compressive stress Test according to DIN EN ISO 3386-2 bei 25 % deformation for 6 mm thickness | ≥ 4500 kPa |

3.4 Energy economy and heat retention (BWR 6)

| Essential characteristic | Performance |
|--|--|
| Thermal conductivity Thermal conductivity at an average reference temperature of 10 °C after conditioning at 23 °C and 50 % relative humidity Test according to EN 12664:2001 | $\lambda = 0.36 \text{ W}/(\text{m}\cdot\text{K})$ |

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

According to the European Assessment Document EAD No. 190026-00-0502, the following legal basis applies: 1997/808/EC, as amended by Legal Decisions 1999/453/EC, 2001/596/EC and 2006/190/EC.

The following system shall be applied: 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.

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