

STN P	Hydroizolačné pásy a fólie Plastové a gumové fólie na hydroizoláciu betónových mostoviek a iných dopravných plôch z betónu Definície a charakteristiky	STN P CEN/TS 17048 72 7682
------------------	---	--

Flexible sheets for waterproofing - Plastic and rubber sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete - Definitions and characteristics

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/24

Táto predbežná slovenská technická norma je určená na overenie. Prípadné pripomienky pošlite do januára 2026 Úradu pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky.

Obsahuje: CEN/TS 17048:2024

138409

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2024
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 17048

January 2024

ICS 91.100.50

English Version

**Flexible sheets for waterproofing - Plastic and rubber
sheets for waterproofing of concrete bridge decks and
other trafficked areas of concrete - Definitions and
characteristics**

Feuilles souples d'étanchéité - Feuilles d'étanchéité de
toiture plastiques et caoutchouc de ponts et autre
surface en béton circulables par les véhicules -
Définitions et caractéristiques

Abdichtungsbahnen - Kunststoff- und Elastomerbahnen
für Abdichtungen von Betonbrücken und andere
Verkehrsflächen aus Beton - Definition und
Eigenschaften

This Technical Specification (CEN/TS) was approved by CEN on 10 December 2023 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

CEN/TS 17048:2024 (E)

Contents	Page
European foreword.....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions	5
4 Product characteristics.....	7
4.1 General.....	7
4.2 Sheet characteristics.....	7
4.2.1 Visible defects.....	7
4.2.2 Dimensions, tolerances, and mass per unit area	7
4.2.3 Tensile properties.....	7
4.2.4 Water absorption	8
4.2.5 Foldability at low temperature	8
4.2.6 Flow resistance at elevated temperature.....	8
4.2.7 Dimensional stability at elevated temperatures	8
4.2.8 Artificial ageing behaviour	8
4.3 Performance related characteristics	9
4.3.1 General.....	9
4.3.2 Bond strength.....	9
4.3.3 Shear strength	9
4.3.4 Crack bridging ability	9
4.3.5 Compatibility by heat conditioning	9
4.3.6 Resistance to compaction of an asphalt layer.....	9
4.3.7 Behaviour of plastic and rubber sheets during application of mastic asphalt	9
4.3.8 Bitumen compatibility	10
4.3.9 Watertightness.....	10
4.4 Dangerous substances.....	10
5 Test samples, testing and criteria	10
5.1 General.....	10
5.2 Test samples, testing and criteria	10
5.3 Test reports.....	12
6 Product data sheet.....	13
7 Marking, labelling, and packaging	13
Annex A (normative) Determination of dimensional stability at 160 °C	14
A.1 General.....	14
A.2 Procedure.....	14
A.3 Precision of test method	14
A.4 Test report.....	14
Bibliography.....	15

European foreword

This document (CEN/TS 17048:2024) has been prepared by Technical Committee CEN/TC 254 “Flexible sheets for waterproofing”, the secretariat of which is held by NEN.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

CEN/TS 17048:2024 (E)**1 Scope**

This document specifies characteristics and performances of plastic and rubber sheets for waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles where the waterproofing is fully bonded to the concrete deck and fully bonded to the asphalt overlay.

This document does not cover concrete surfaces trafficable by vehicles where the waterproofing is not fully bonded to the concrete and/or not fully bonded to an overlay.

This document also states the test methods used for verifying the characteristics and gives rules for the assessment and verification of consistency of performance of the product.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 495-5, *Flexible sheets for waterproofing — Determination of foldability at low temperature — Part 5: Plastic and rubber sheets for roof waterproofing*

EN 1107-2, *Flexible sheets for waterproofing — Determination of dimensional stability — Part 2: Plastic and rubber sheets for roof waterproofing*

EN 1110, *Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of flow resistance at elevated temperature*

EN 1296, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roofing — Method of artificial ageing by long term exposure to elevated temperature*

EN 1548, *Flexible sheets for waterproofing — Plastic and rubber sheets for roof waterproofing — Method for exposure to bitumen*

EN 1848-2, *Flexible sheets for waterproofing — Determination of length, width, straightness and flatness — Part 2: Plastic and rubber sheets for roof waterproofing*

EN 1849-2, *Flexible sheets for waterproofing — Determination of thickness and mass per unit area — Part 2: Plastics and rubber sheets for roof waterproofing*

EN 1850-2, *Flexible sheets for waterproofing — Determination of visible defects — Part 2: Plastic and rubber sheets for roof waterproofing*

EN 12311-2, *Flexible sheets for waterproofing — Determination of tensile properties — Part 2: Plastic and rubber sheets for roof waterproofing*

EN 13375, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Specimen preparation*

EN 13416, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Rules for sampling*

EN 13596, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Determination of bond strength*

EN 13653, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Determination of shear strength*

EN 14223, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Determination of water absorption*

EN 14224:2010, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Determination of crack bridging ability*

EN 14691, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Compatibility by heat conditioning*

EN 14692:2017, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Determination of the resistance to compaction of an asphalt layer*

EN 14693, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Determination of the behaviour of waterproofing sheets during application of mastic asphalt*

EN 14694, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Determination of resistance to dynamic water pressure after damage by pre-treatment*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN