PD CEN/TS 17048:2024

BSI Standards Publication

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

bsi.

National foreword

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The UK participation in its preparation was entrusted to Technical Committee B/546, Flexible sheets for waterproofing and water vapour control.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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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.

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

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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.

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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*