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No 305/2011 of the European  
Parliament and of the Council  
of 9 March 2011

MEMBER OF EOTA



## European Technical Assessment ETA-20/1012 of 2021/01/01

### I General Part

#### Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

**Trade name of the construction product:**

Cavitrays Type X, Type X Multicourse, Type G, Advantage, Type E Trays and Caviweep Type W

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

Membranes, including liquid-applied and kits for water and/or water vapour control

**Manufacturer:**

Cavity Trays Ltd  
Boundary Avenue  
Yeovil  
Somerset BA22 8HU  
United Kingdom

**Manufacturing plant:**

Cavity Trays Ltd  
Boundary Avenue  
Yeovil  
Somerset BA22 8HU  
United Kingdom

**This European Technical Assessment contains:**

8 pages including 2 annexes which form an integral part of the document

**This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:**

European Assessment document (EAD) no. EAD 360005-00-0604 for Cavity tray

**This version replaces:**

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**Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.**

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## 1 Technical description of the product

Cavitrays are cavity trays injection moulded from polypropylene copolymer. The product range comprises:

- Type X — preformed gable abutment cavity trays with integral lead flashing to form a stepped cavity damp-proof course and flashing at the abutment of a pitched roof and cavity wall. The tray is designed for brickwork with courses of approximately 75 mm and normally incorporates lead flashings of code blue thickness to EN 12588 : 1999 attached to the tray. These flashings are secured with stainless steel stitching. Heavier gauges of lead, or Advantage trays without flashing, are available if required.

Specific types (see Annex 1) include:

- ridge trays, designed to straddle the ridge and discharge water both left and right
- catchment trays, incorporating an upstand at either end to act as the termination point in the lowest part of the roof abutment and therefore used in conjunction with a Type W weep/vent for removing water from the cavity
- intermediate trays, incorporating an end upstand to allow discharge down the roof line to a lower tray
- corner catchment angle trays, used on abutting roofs of the same width, wrapping around the corner of the lowest brick course and enabling linking with other trays to continue a damp proof course around a corner. They incorporate a Type W weep/vent for removal of water from the cavity and are available in longer or G lengths (see Annex 1, Table 1)
- Type X Multicourse — with the same design and functionality as the Type X trays, these trays are available in sizes to fit external walls made from blocks
- Advantage — with the same design and functionality as the Type X trays, these trays are supplied without factory-fitted lead sheet. Lead flashing is fitted on site during installation
- Type G — with the same design as the Type X catchment tray, these catchment trays are available in longer lengths to suit individual situations on site
- Type E Cavitray — a preformed abutment cavity tray to form a horizontal damp-proof course in an existing cavity wall at the abutment with a new flat roof or the top edge of a new pitched roof. Each Type E tray is fitted with a central weep/vent for discharging water and an integral U-clip enabling a watertight joint to adjoining trays. Type E trays are available in four designs (see Annex 1):
  - left-hand external angle
  - standard straight
  - left or right internal angle
  - right-hand external angle.

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

2.1 The products are polypropylene cavity trays designed to be incorporated into brick or block courses of the external walls of dwellings such that water running down the inside of the outer leaf of a cavity wall is collected by the trays and diverted via weep holes to the external face of the wall.

2.2 Type X, Type X Multicourse, Type G and Advantage Cavitrays are intended for use in new construction with Caviweep Type W, to form a stepped damp-proof course at the abutment of a cavity wall (in brick-brick or brick-block construction, or timber-frame with a brick cladding with a clear cavity width of 50-160 mm) and a pitched roof of minimum pitch 17°. They may also be retro-fitted into existing cavity walls.

2.3 Type E Cavitrays are intended for use in existing constructions to form a horizontal damp-proof course at the abutment of a cavity wall (in brick-brick or brick-block constructions, or timber-frame with a brick cladding with a clear cavity width of 50-140 mm) with a new flat roof, or the top edge of a new pitched roof.

2.4 The provisions made in this ETA are based on an assumed working life of 50 years. The indications given in the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment body, but are 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

<b>Characteristic</b>	<b>Performance</b>
<b>3.2 Safety in case of fire (BWR 2)</b>	
Reaction to fire	See Annex 2
<b>3.3 Hygiene, health and environment (BWR 3)</b>	
Watertightness	See Annex 2
<b>3.7 Aspects of durability, serviceability and identification</b>	
Resistance to UVA ageing	See Annex 2
Practical test for effectiveness of cavity trays installed in a test wall	See Annex 2

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

In accordance with European Assessment Document (EAD) No. 360005-00-0604, the applicable European legal act is : EC Decision 99/90/EC of the European Commission, the system of assessment and verification of constancy of performance [see Annex V to Regulation (EU) No 305/2011] is as follows:

The System to be applied is: 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 at ETA-Danmark A/S prior to CE marking.

Issued in Copenhagen on 2021-01-01 by

A handwritten signature in blue ink, appearing to read 'Thomas Bruun', is written over a faint, illegible stamp or watermark.

Thomas Bruun

Managing Director, ETA-Danmark

## ANNEX 1 PRODUCT DETAILS

1 The four styles of abutment cavity trays are illustrated in Figures 1 to 4.

Figure 1 Ridge tray

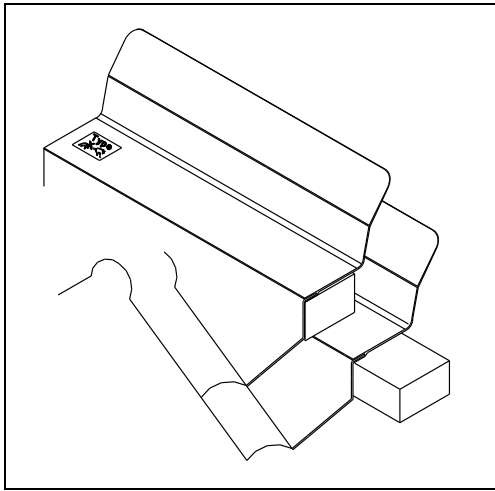


Figure 2 Catchment tray

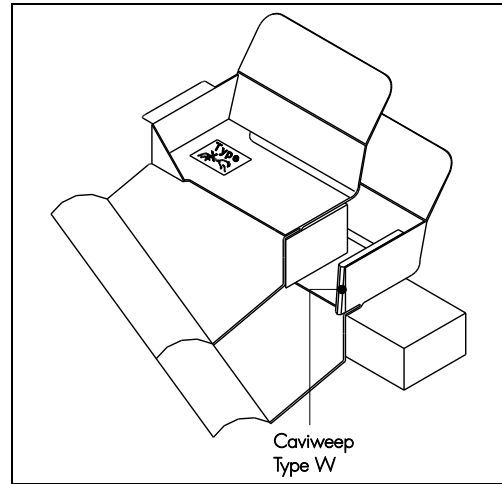


Figure 3 Intermediate tray

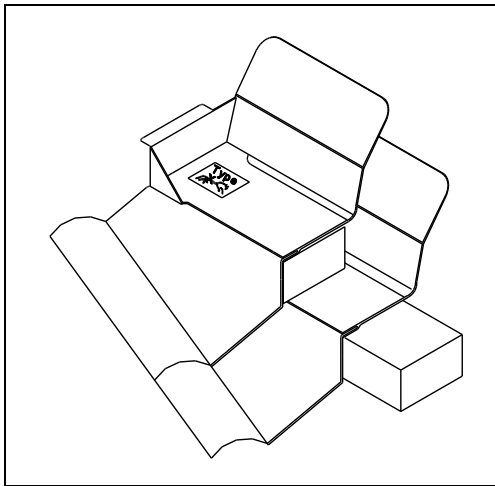
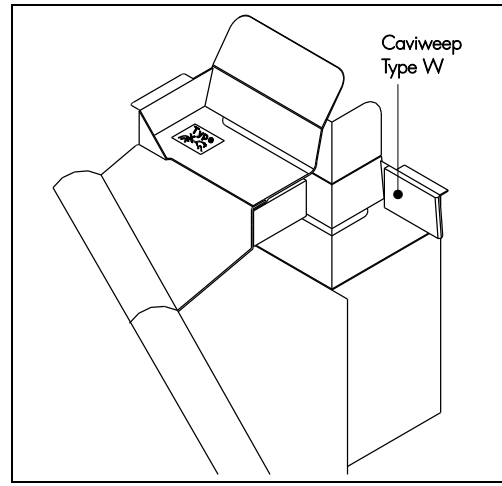


Figure 4 Corner catchment angle tray



Cavitrays are available in lengths determined by roof pitch. Tray lengths for use in standard brickwork are given below.

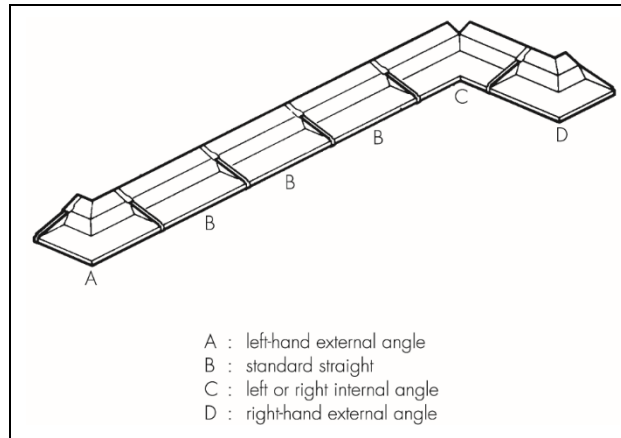
Roof pitch (°)	Length of tray <sup>(1)</sup> (mm)
17 – 20	330
21 – 25	270
26 – 40	230
>45	180

(1) The catchment style trays may be supplied in longer lengths to accommodate specific requirements. They are described as extended catchments or G lengths and their dimensions are clearly identified.

## ANNEX 1 PRODUCT DETAILS (CONTINUED)

2 The four types of Type E cavity trays are illustrated in Figure 5.

Figure 5 Type E cavity tray



The designs and standard sizes of the Type E trays are listed below.

Tray design	Standard size <sup>(1)</sup> (mm)
Left-hand external angle	332 x 220
Standard straight	450
Left or right internal angle	230 x 117
Right-hand external angle	332 x 220

(1) Non-standard angles and sizes can be fabricated to suit a particular installation.

## **ANNEX 2      CATEGORISATION OF LEVELS OF PERFORMANCE OF CAVITRAYS CAVITY TRAYS**

The products have the following characteristics:

<b>Characteristic</b>	<b>Performance</b>
Reaction to fire	No performance assessed
Watertightness	No pinholes or tears observed in the samples
Resistance to UVA ageing	No change
Practical test for effectiveness of cavity trays installed in a test wall	Water running down the inner leaf is collected by the trays and diverted through the weep holes without leakage