CORNER TIE

# Corner quoin with rounded edge 50 × 24 × 3 cm

Corner quoin — polystyrene moulding, ready to install and paint.

EPS 100 POLYSTYRENE WITH POLYMER-QUARTZ COATING

FIRE BEHAVIOUR SELF-EXTINGUISHING



IDENTIFICATION

| | |
|---|---|
| Dartank reference | **D6ML705C** |
| Dartank EAN | **3701839315279** |
| Material | **EPS 100 polystyrene with polymer-quartz coating** |
| Thickness | **3,0 cm** |
| Sales unit | **Piece** |

OVERVIEW

## Overview

These facade elements combine a light, self-extinguishing hardened expanded polystyrene core with a factory-applied, quartz-filled polymer-acrylic protective compound. Glued to render or external insulation and then painted, they recreate cornices, bands, window surrounds, keystones, sills and ornaments.

## KEY BENEFITS

### 01
**Lightweight**

Expanded polystyrene core: easy handling and bonding without a support structure.

### 02
**Protected**

Elastic, hard quartz-filled polymer-acrylic compound applied at the factory.

### 03
**Ready to paint**

Paint with an elastic acrylic or silicone facade paint in the colour of your choice.

### 04
**ETICS-compatible**

Bonds to render or to thin-coat external thermal insulation systems.

### 05
**Versatile**

Cut and assembled on site for cornices, bands, window surrounds and corners.

### 06
**Heritage look**

Recreates classic or contemporary mouldings without heavy masonry.

## PRODUCT CHARACTERISTICS

| | |
|---|---|
| Height | **24,0 cm** |
| Length | **50,0 cm** |
| Material | **Polystyrène** |

## THE MATERIAL

### EPS 100 polystyrene with polymer-quartz coating

Facade mouldings, cornices, window surrounds, keystones, sills, quoins and ornaments: hardened EPS core factory-protected by a quartz-filled polymer-acrylic compound, ready to glue and paint.

| | |
|---|---|
| Composition | **Hardened EPS core, quartz-filled polymer-acrylic coating** |
| Density | **≤ 18 kg/m³** |
| Standard lengths | **120 / 160 / 200 / 240 cm** |

CORE

### EPS 100 expanded polystyrene (core)

Hardened, self-extinguishing expanded polystyrene core with a density of up to 18 kg/m³.

| | |
|---|---|
| Density | **≤ 18 kg/m³** |

SURFACE LAYER

### Polymer-acrylic coating with quartz filler

Protective compound based on polymer-acrylic resins with added quartz aggregate, factory-applied to the EPS core; elastic and hard.

| | |
|---|---|
| Composition | **Polymer-acrylic resins and quartz aggregate** |

## PERFORMANCE AND TEST RESULTS

| Property | Standard | Result |
|---|---|---|
| Expanded polystyrene grade | EN 13163 | **EPS 100 / EPS 70** |
| Fire behaviour | | **Self-extinguishing** |
| Weather resistance | | **Weather-resistant** |
| Length tolerance | | **± 1 cm** |

| Property | Standard | Result |
|---|---|---|
| Hazardous substances | | **Non-toxic (manufacturer's statement)** |
| Expanded polystyrene grade | EN 13163 | **EPS 100 / EPS 70** |
| Fire behaviour | | **Self-extinguishing** |

## TECHNICAL DOCUMENTS

**BIM**
**Fichiers BIM/CAO DWG · DXF · OBJ**
On request

**NOTICE**
**Notice de pose des éléments de façade**
On request

## INSTALLATION

### Installation

1. **Temperature** From +5 °C to +30 °C, in dry weather.
2. **1. Substrate** Prepare the substrate according to the adhesive manufacturer's requirements.
3. **2. Layout** Measure, cut and position the profiles on the facade.
4. **3. Bonding** Bond to the substrate and to each other with a low-pressure polyurethane adhesive foam for EPS or an elastic reinforcing adhesive; temporarily support heavy elements (battens, nails, props) until set.
5. **4. Joints** Leave 0.5–0.8 cm between profiles, bonded with an elastic adhesive sealant; expansion joints every 10–15 m for cornices over 20 cm high.
6. **5. Sealing** Once the adhesive has cured, seal wall-contact edges, especially horizontal top edges, to prevent water ingress and streaks.
7. **6. Filling** Dust the joints, apply primer to the joints only, then the repair compound; sand after 6–8 h and apply a second coat.
8. **7. Painting** On a clean, dry, dust-free surface, wait at least 12 h in damp weather; elastic facade paint only; never paint a damp element.

### Storage

- **Conditions** Flat, on a level surface, indoors and dry until installation; away from radiators and direct sun.
- **Stacking** Do not load stacked profiles: risk of deformation or sticking together.
- **Primer and repair compound** Between +5 °C and +30 °C, 6 months in the sealed original packaging.

> **WARNING**
>
> - **Paints** Silicate and solvent-based paints prohibited; avoid colours with HBW below 30.
> - **Associated products** Using unsuitable adhesives, sealants or paints may cause cracks, scratches or blisters; follow the data sheets of the products used.

Non-contractual document. Values are given for guidance; official documents are available on request.