

THERMOMAX® CPM

PVC Corner Profile with Mesh

Product Description

THERMOMAX® CPM is a PVC corner profile with alkali-resistant glass-fibre mesh. It is used in external thermal insulation composite systems (ETICS) at building corners and at the external corners of window and door openings.

Fields of Application

- At external building corners in external thermal insulation composite systems (ETICS)
- At the external corners of window and door openings (reveals)
- At column, beam, balcony and eaves corners
- On EPS, XPS and mineral wool boards

Advantages

- Protects corners against impact and mechanical damage
- Creates a straight, sharp corner line and acts as a corner screed guide when rendering
- The factory-attached mesh removes the need to wrap separate mesh around the corner and speeds up application
- PVC does not rust and leaves no rust stains on the façade
- Easy to cut and install

Technical Properties

General Information	
Profile material	PVC
Profile leg size	21 × 21 mm
Mesh	Alkali-resistant glass-fibre mesh
Mesh wing width	80 × 80 mm
Profile length	2.5 m
Performance Data	
Service temperature	−40°C / +80°C
Corrosion resistance	PVC; does not rust
Application Data	
Installation sequence	After anchoring, before the main reinforcing mesh
Overlap with main mesh	Profile mesh fully covered
Consumption	Equal to corner length (m/m)

The technical values stated were obtained at an ambient temperature of +23°C and 50% relative humidity.

Application Instructions

Before Application

Corner profiles are installed after the insulation boards have been anchored and before the main reinforcing mesh is applied. Board edges at the corner must be trued with a sanding float so that the corner is straight and square. Profiles are cut to the length of the corner with a sharp knife or shears. At the corners of window and door openings, the mesh wings are cut where the profiles meet and overlapped.

Installing the Profile

THERMOMAX® PLAST 65 is applied to both faces of the corner over the width of the profile's mesh wings. The profile is pressed onto the corner and checked for straightness and plumb with a straightedge and spirit level. The mesh wings are embedded in the render with a trowel, and excess render is drawn over the mesh. Profiles are butted end to end along their length without gaps.

Base Coat and Mesh Application

The base coat and THERMOMAX® RM 160 reinforcing mesh are brought up to the corner so that the mesh of the corner profile is fully covered. The nose of the profile is covered with a thin layer of render; the profile must not be visible at the surface. At the upper corners of window and door openings, a drip-edge corner profile is recommended so that rainwater is shed away from the façade.

Storage Conditions and Shelf Life

Store in the original packaging in a dry, cool place, protected from direct sunlight. Store the profiles flat on a level surface so that they do not bend and the mesh is not damaged, and do not place heavy loads on them. PVC profiles left in the sun for long periods may become brittle. When stored correctly, the shelf life is unlimited; products from opened packaging that have been exposed to sunlight must be checked before use.

Safety Precautions

Take care with sharp edges produced when cutting the profiles and wear protective gloves. The glass-fibre mesh may cause itching and irritation on contact with bare skin; wear long-sleeved work clothing during application. Do not use broken or deformed profiles or profiles with damaged mesh. Store out of reach of children.

Liability

Our company is responsible only for the quality of the product. Any use of the product outside the scope of the written technical recommendations, including incorrect application or use under unsuitable conditions, is entirely the responsibility of the user. For further technical information, please refer to the product catalogue or contact our representatives.

Packaging

Profiles 2.5 m long, supplied in packs

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