



QUICSEAL 181

Product Name
Drain Cell

Description

QUICSEAL 181 is a specially manufactured dimpled sheet made of high-density polyethylene designed for effective pressure distribution and low point loads even on perimeter insulation. It is suitable for contact with potable water, non-degradable and offers additional heat insulation.

Typical Uses

- As a sub-base course under concrete floor slabs
- For foundation-wall protection.
- As a drainage layer in cavity walls
- Protects flooring from rising damp
- Cost-efficient alternative to lean concrete when laid underneath floor slabs as a sub-base course

Technical Specifications

Material	Dimpled sheet made of special high-density polyethylene No plasticizer; full recyclable
Service temperature	-30°C to + 80°C
Compressive strength	250 kN/m ²
Flammability	Optional conformability with DIN 4102 Class B2 or Class B1 to meet special requirements
Air gap	5.3 ltrs per m ²
Flow rate	2.25 ltrs per metre per second
Dimple height	8mm

Installation Instructions

Install QUICSEAL 181 so that the dimples face the structure. The material may be applied directly to compression-resistant waterproofing, waterproof concrete or insulation panels. Make sure that sheets reach above the upper edge of the waterproofing and/ or perimeter insulation and attach them there.

When installing QUICSEAL 181 on perimeter insulation, the upper edges of the panels should be bevelled. Then, pull the sheets up above the edges and attach them to the wall. QUICSEAL 181 may be laid either vertically or horizontally. Sheets should overlap to the extent indicated by the undimpled edge strips.

Sheets may be attached using steel nails fitted with washers or use anchors wherever nails will not hold. If necessary, sealants or mastics may be used to seal the punctured holes such that water will not seep through.

Sheets should end at the foot of the foundation.

Overlaps are made by attaching the next sheet so that it overlaps the sheet installed previously by about 20cm. The end of the last sheet should overlap the first sheet by no less than 20 cm. When sheets have to be installed vertically, push the connecting sheet no less than 20 cm below the sheet installed previously.

Before attaching a sheet to a corner, crease it along the line of the edge. Openings for cables and pipes are made by making a V-shaped cut in the sheet and attaching a patch measuring approximately 30 x 30 cm.

Packing

QUICSEAL 181 is available in 2m x 20m per roll.

Important Notes

The information set forth herein is furnished in good faith and is based on technical data that QUICSEAL considers to be reliable. This information is intended for use by persons having technical skill and at their own discretion and risk. Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of QUICSEAL products as of the date of publication of this document. QUICSEAL makes no other warranties and assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact QUICSEAL

Reference No. QS181/040419

QUICSEAL CONSTRUCTION CHEMICALS PTE LTD

QUICSEAL – the professional's choice of quality products and systems for building construction