CI/SfB | | | TN6 | L6813

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RIW PLASTER DRAIN

Plaster Drain is manufactured from 0.5mm thick clear high-density polyethylene.

BENEFITS

- Easy to install
- Can be applied to wet substrates
- High drainage capacity
- Accepts plaster/render finishes

APPLICATIONS

- Basement and Sub-structures
- Solid walls above external ground

APPLIED TO

- Existing walls
- New walls
- Concrete
- Masonry

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RIW PLASTER DRAIN

TYPICAL USES

Plaster Drain provides a cavity drainage system, suitable for remedial works, and is used to provide a key for plaster and render finishes.
The product is used internally, for waterproofing walls, above or below external ground level.
Plaster Drain is not recommended for external applications and must not be used on the floor.

DURABILITY

Subject to normal conditions of use, Plaster Drain will provide an effective barrier to the transmission of water and water vapour for the life of the structure.

SPECIFICATION

J40-Sheet Tanking/Damp Proofing in accordance with NBS Clause 290. Please consult RIW for further information.

ANCILLARY PRODUCTS

RIW produce a range of ancillary products for use with Plaster Drain which include:

Plaster Overtape - a butyl rubber tape, with a non-woven polypropylene surface, for sealing over joints in the membrane.
Plaster Plugs - a plastic plug for fixing the membrane to the structure.
Sealing Rope - a butyl rubber beading for sealing around pipes etc, to form a gasket between plug and membrane.

CONSTRUCTION

GENERAL

Plaster Drain can be applied onto existing wall finishes, if required, eliminating the need for extensive 'hacking off' or preparation. However, all surfaces must be of a sound, firm nature with any loose areas removed prior to application.
Where necessary, a fungicidal wash should be applied to the wall surface.
Cementseal Primer should be used on all concrete surfaces, as an anti-lime treatment.

APPLICATION

During installation care must be taken ensure that sufficient fixings are used, minimum eighteen number per square metre (18 No/m²), in a diamond pattern. The fixings should be 'drilled' through the stud itself.

PERFORMANCE & COMPOSITION

Form	HDPE profiled sheet
Colour	Translucent
Thickness	0.5mm
Stud height	8mm
Roll size	2m wide x 20m long
Weight	0.625kg/m²
Laps	70 mm
Maximum drainage capacity	1.84 litres/sec/metre
Working temperature	- 30˚C to 60˚C

The above performance figures are typical values and should not be considered a product specification.

Plaster plugs with grommets or Sealing Rope must be placed behind the head of Plaster Plugs, to ensure a waterproof seal.
Plaster Drain must be fitted tight against the structure, with no voids or hollow areas left behind the wall and the membrane, as this could cause bonding problems between the membrane and the plaster / render finishes.
Care should be taken at corners to ensure that the membrane is fitted into the corner, so as to avoid snagging or tearing with a trowel.
Plaster Drain is joined, by overlapping the sheets a minimum of two (2) studs. Fix Plaster Plugs as close as possible to the leading edge of the membrane, at 250mm centres vertically, through the studs adjacent the edge of the 'top' sheet.
At overlapping sheets, apply Plaster Overtape with equal laps onto each sheet of membrane, and press firmly into place.
The product is tough but pliable and can be bent around corners and projections without the risk of breaking. The material can be easily cut with a craft knife or scissors.

FINISHES

All common lightweight plasters, renovating plasters, or sand/cement renders can be applied onto the Plaster Drain. Plasterboard can also be dot and dabbed onto the Plasterdrain if preferred.
Renders/plasters should be applied in a minimum of two coats. The first coat of 7-10mm thickness is to be trowelled firmly into the membrane studs, and then 'scratched' to provide a key for subsequent coats. The first scratch coat should be left to harden/cure, and ideally this would be for 7-10 days depending upon site and atmospheric conditions.

Sand/cement renders, should be mixes of 1 part cement to 6 parts washed plastering sand, (1:6) incorporating a suitable 'plasticiser' additive in the first coat. Sand should be Grade 'M', medium sharp sand. Do not use soft or building sand.

Minimum thickness of finishes should be 15mm. Maximum thickness for sand/cement renders should be 30mm and 40mm for lightweight plasters.

DRAINAGE

Where 'free water' is present, or there is a risk of it occurring, then provision must be allowed for water to flow to natural drainage or a sump. Cavity Drain R20 should be used for the floor area, if required. Where a sump is used, water may be discharged via gravity fed, or pumped drainage systems to suit.

SUPPLY

AVAILABILITY

All RIW products can be obtained through Builders Merchants or approved stockists. A list of approved stockists is available from RIW'S offices.

PACKAGING

Plaster Drain	20 x 2m rolls
Plaster Overtape	115mm x 25m long rolls
Plaster Plugs	Box of 250
Sealing Rope	10mm diameter x 4.75m long rolls

STORAGE

There are no special requirements but rolls should be kept upright, under cover and protected from extremes of temperature.

TECHNICAL SERVICES

The Technical Department is available to advise on individual projects and to prepare or assist in the preparation of specifications and drawings. A list of experienced applicators of our materials is available from RIW's offices.

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PLASTER DRAIN ANCILLARIES

PLASTER PLUG

Plaster Plug is made of Polymer Co Polypropylene with a length of 52mm. It is intended for use in brick, concrete block and concrete, which is predrilled to a minimum depth 67mm from the surface of the Plaster Drain membrane with an 8mm diameter drill bit.
The head of the Plaster Plug has a diameter of 52mm with an embossed surface to provide a mechanical key for subsequent plaster/render.
Plaster Plug is resistant to normally occurring chemicals in the building construction.

APPLICATION
Used with Sealing Rope to provide a 'sealed' fixing through Plaster Drain.
Note : The fixing is not suitable for direct, long-term exposure to UV radiation

PACKAGING
250 No. per box

SEALING ROPE

Sealing Rope is a blend of butyl and other rubbers, which has good adhesion to most common surfaces, whilst having good movement capability. Sealing Rope is used to provide a gasket around the Plaster Plugs. Sealing Rope is also used to provide a seal around service entry pipes, etc.

APPLICATION
All surfaces should be clean, dry and free from frost, grease and loose material.

PACKAGING
10mm diameter x 4.75m long rolls

PLASTER OVERTAPE

Plaster Overtape is a fabric backed blend of butyl and other rubbers, which has good adhesion to most common surfaces, whilst having good movement capability. Plaster Overtape comprises a silicone release paper, black adhesive base and a grey fleece. Plaster Overtape is used to seal over joints in the Plaster Drain, whilst providing a key for the subsequent plaster/render finishes.

APPLICATION
All surfaces should be clean, dry and free from frost, grease and loose material. Remove silicone release paper and apply.

PACKAGING
115mm wide x 25m long rolls

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