

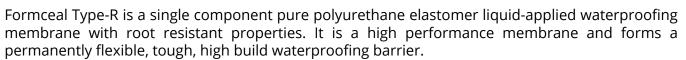
ASIA'S LEADING BUILDING PROTECTION SPECIALIST

FORMCEAL TYPE-R

SINGLE COMPONENT ROOT-RESISTANT POLYURETHANE WATERPROOFING MEMBRANE

DATA SPECIFICATION SHEET

DESCRIPTION



Formceal Type-R is used as a concealed system. It is applied directly from the pail using brush, roller, squeegee or airless spray. It is seamless and takes to the shape of the surface it is applied on. Formceal Type-R is ideal for use in planter boxes/landscape areas with ground covers, shrubs, turfings.

FEATURES

- Self-priming single component
- Does not contain tar or bitumen
- Easy to apply
- Seamless
- Excellent physical properties
- Root-resistant

AREAS OF USAGE

- Concealed systems roofs, decks, etc.
- Planter Areas planter box, landscape decks, roof gardens with no trees
- Wet Areas toilets, kitchen, balconies, shower etc.
- Others basements, retaining walls, water features, non-potable water tanks, etc.

PRODUCT SPECIFICATION

PACKING

SOLID CONTENT (SS133)

DRY FILM THICKNESS

RESISTANCE TO WATER PENETRATION (DIN 1048)

SHORE A HARDNESS (ASTM D2240)

WATER VAPOUR TRANSMISSION (ASTM E96)

CRACK BRIDGING (ASTM C836/C836M)

TENSILE STRENGTH (ASTM D412)

ELONGATION (ASTM D412)

ROOT RESISTANCE (DIN 4062/PD CENT/TS 14416)

ADHESION TO SUBSTRATE (ASTM D4541)
VOLATILE ORGANIC CONTENT (ISO-11890-2)

QUV ACCELERATED WEATHERING (1000hrs) (ASTM G154)

: 25 kg / pail

:≥80%

: Approximately 1mm

: 0 mm

: ≥50

: 10.8 g/m²/24 hrs

: No cracks @ 2 mm width

: ≥2 N/mm²

:≥300%

: Yes

: ≥1.3 N/mm²

: 25.3 g/L

: No cracking, chalking, blistering or peeling

decay & delamination was observed



APPLICATION

SUBSTRATE PREPARATION

All surfaces to receive waterproofing membrane shall have a sound, smooth and free from dust, laitance, loose matter, oil or other contaminants. Concrete should be cured 28 days and render for 7 days.

APPLICATION

Primer - not required

Application of Formceal Type-R

- Apply Formceal Type-R by brush, roller, squeegee or airless spray.
- Application rate is 1 kg/m² x 2 coats.
- This can be applied in single coat at 2 kg/m²
- If application is in 2 coats, allow first coat to dry fully for at least 3 hours before the application of second coat.
- Allow membrane to cure for 24 hours before ponding test.

PONDING TEST

Ponding test can be carried out 24 hours after application of final coat.

STORAGE/SHELF LIFE

Do not store product exposed to sun or weather. When kept in cool, dry, protected area, sealed pails have a 12 months shelf life. Once opened, content may solidify within a few days.

HEALTH & SAFETY

Read the product label and Material Safety Data Sheet (SDS) before use. Users should acquaint themselves with all risk and safety phrases.

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Place Product Sample Here