

PRODUCT NAME

ROTAFLEX MEMBRANE

3652, Rotaflex Membrane 1mm thick x 100mm wide

Product Description

ROTAFLEX MEMBRANE (Hypalon) used as waterproof seal to concrete joints it is a chlorosulfonated polyethylene (CSPE) synthetic rubber (CSM) noted for its resistance to chemicals and temperature extremes

Uses

This system when used in conjunction with our ZEROSET T structural adhesive is a ideal sealing system for irregular and difficult joints and cracks in concrete. This system can withstand extreme movements and chemical exposures while maintaining a watertight seal. Used on the repair to underground parking areas, basements.

Characteristics/ Advantages

ROTAFLEX MEMBRANE when used in conjunction with the ZEROSET T adhesive has the following advantages: Easy to mix and apply, Excellent adhesion to most construction materials. High strength thixotropic adhesive, low-sag in vertical and overhead applications, Applicable even on damp surfaces, Solvent Free system.

Product Data

Colours:

Rotaflex Membrane Black,
ZeroSet T Base part : Grey paste,
ZeroSet T Hardener : yellowish Paste

Packaging

Rotaflex Membrane is supplied in 1mm thick x 100mm wide x 10m long rolls.
ZeroSet T Adhesive is supplied in 400 cc pre batched packs consisting of 2 x plastic screw cap jars & an empty cartridge set & follower plate & Supplied in 1 x 5.5kg/3.5lt pre batched packs (no cartridge sets supplied with this pack)

Storage

Storage conditions

Rotaflex Membrane and its adhesive ZeroSet T has a shelf Life of 24 months from date of production if stored properly in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunshine, Keep of cold floors and protect from frost.

Chemical Type

Rotaflex Membrane (Hypalon) is chlorosulfonated polyethylene (CSPE) synthetic rubber (CSM)
ZeroSet T is a Thixotropic Epoxy paste and its curing agent

Typical Data

Property	Units	Result Mean
Tensile Strength	PSi	1000
Adhesion Resistance		Good to Excellent
Elongation at break	%	100 - 800
Tensile set after break	%	400

Water Resistance		Good
Weather Resistance		Excellent
Acids Dilute		Good to Excellent
Zeroset T	Technical	Data
*Pot life 100 G @ 20oC	Minutes	80
*Cure time 100 G @ 20oC	Minutes	300

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System Information

Consumption/Dosage

As a guide 5.5kg pack will bond 20 linear meters of Rotafix (Hypalon) Membrane @ 1.5mm glue line.

Substrate Quality:

The concrete substrate must be clean, dry or mat damp (no standing water) the concrete should be cleaned and have an opened texture along with being free from contaminants such as dust, dirt, oil, grease, existing surface treatments and coatings etc.. Steel substrates must be de-rusted to Sa 2.5 standard to maximise adhesion. The substrate must be sound and all loose particles must be removed.

Substrate Preparation

Old surface treatments or coatings and all loose or friable particles must be removed to achieve a laitance and contaminant free, open textured surface. Steel: Must be cleaned and prepared thoroughly to an acceptable quality i.e. by blast cleaning and vacuum. Avoid dew point conditions.

Limitations

Do not attempt to thin the Zerost T adhesive with any solvents as solvents will prevent or stop the cure of the system

Minimum surface temperature of 5 OC

Not an aesthetic finish, May need to be covered

Not UV stable so will change colour over time and exposure

Application

Wipe the Rotaflex Membrane with mentholated spirit by cloth to remove any dust or other contaminates that may have got onto the membranes surface. Apply the mixed Zerost T adhesive onto each side of the joint to a thickness of $\frac{3}{4}$ of a mm (0.75) working the adhesive into the substrate for best adhesion. Set the membrane into the adhesive using a hard roller forcing the adhesive through the pre punched holes on each side of the membrane. Apply an additional $\frac{3}{4}$ of a mm (0.75) layer of the adhesive to the top surface of the membrane. Try and leave the area immediately over the crack or joint line free from any adhesive, This will allow the system to move along with the substrate.

Mixing Instructions

Mixing Time:

Mix the Base & Hardener parts together for at least 3 minutes with a mixing Knife until the material becomes smooth in consistency and a uniform in colour. (use a mixing drill and paddle for the 5.5kg pack) Mix only 1 x pack at a time or the quantity which can be used within its pot life.

Cleaning of Tools:

All tools and application equipment can be with thinners or solvent wipes immediately after use. Hardened and or cured material can only be removed by mechanical means

Health and Safety & Legal Information

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