Cemprotec Geo80

General Reinforcement for Elastomeric Coatings

Product Overview

Thermally bonded, non-woven geotextile based on 100% polypropylene polymers.

Description and Use

CEMPROTEC Geo80 is a general reinforcement for elastomeric cementitious coatings such as **CEMPROTEC ELASTIC,** particularly on roofs or other areas of cracked concrete where further movement is possible. It provides additional toughness to the film whilst still maintaining a high degree of flexibility.

Advantages

- Polypropylene geotextile with excellent resistance to alkaline conditions.
- Easily cut to any length to reinforce a range of different areas.
- Unique mechanical and thermal bonding process ensures maximum strength in all directions.
- A range of consistent opening sizes allows penetration and anchorage with cementitious coatings.
- Excellent resistance to UV light, chemicals and microbiological attack.

Application Instructions

Please consult the relevant Flexcrete membrane Data Sheet and Application Guide for details on substrate preparation, priming and application.

Preparation

CEMPROTEC Geo80 should be cut to the required size with scissors or a sharp knife prior to starting the work. When working around corners, angles, details, etc., **CEMPROTEC Geo80** should be trimmed to minimise overlapping.

Embedment

1. Apply a 1mm embedment coat of **CEMPROTEC ELASTIC** by brush, float, skid leveller or using spray techniques. Regularly check thickness with a wet film gauge.
2. Lightly embed the **CEMPROTEC Geo80** using gentle pressure ensuring full contact with the wet embedment coat using brush or roller techniques. The unique mechanical and thermal bonding process ensures maximum strength in all directions.
3. Ensure the **CEMPROTEC Geo80** lies flat and free from wrinkles. Where necessary, trim overlaps to typically 25mm.
4. Adjacent applications should overlap by 25mm.
5. On deck or roof areas, before proceeding with the finishing coat, allow to cure sufficiently to take foot traffic, typically 1-2 days in cooler conditions.
6. Apply a second 1mm coat of **CEMPROTEC ELASTIC** to obliterate the reinforcement and allow to dry thoroughly.
7. On completion carefully check for pinholes and misses. Spot treat as necessary.
8. Protect from rapid drying with **CURE-SEAL WB** sprayed in fine mist coats onto the wet surface. Alternatively, to cure and provide a non-slip finish, broadcast **CEMPROTEC EF GRIT** into the wet surface.

Shelf Life

- Indefinite when stored in dry conditions in original packaging.

Health and Safety

- Safety Data Sheets are available on request.

Technical Data

Property	CEMPROTEC Geo80
Weight	80g/m^2
Tensile Strength	6kN/m
Elongation	40% (Warp) / 40% (Weft)
Roll Dimensions	1.125m width x 50m length

Results for CEMPROTEC ELASTIC reinforced with CEMPROTEC Geo80:

Property	Tests carried out on a 2mm composite film at 20ºC:
Tensile Strength	4.0MPa
Tensile Elongation	60%

Application Top Tips

1. Detail work should be carried out prior to large scale waterproofing.

2. Keep the wet edge of the coating live with a steady supply of mixed material. On horizontal applications, immediately use a spike roller to release entrapped air.

3. Regularly check the thickness of the coating during application with a wet film gauge.

4. Fresh material can be joined up to existing hardened material using a simple 25mm overlap joint.

5. Only use sufficient pressure to start to draw the coating up through the open texture of the **CEMPROTEC Geo80**. Do not force the reinforcement to the bottom of the embedment coat. It should just sit in the surface.

6. When treating corners or other details, cut **CEMPROTEC Geo80** to the desired length and pre-fold to create a crease as necessary and embed as normal.

7. Unless levelled prior to application, tamped or irregular substrates will not only increase the consumption of the coating but will also make it difficult to embed the **CEMPROTEC Geo80**.

8. For large areas, divide into strips equal to the width of the reinforcement. Treat whole strips within the working life of the material (no later than 10 minutes), to prevent cold joints and provide an even appearance. Adjacent strips should overlap by 25mm.

9. In hot and windy conditions, the surface of the **CEMPROTEC ELASTIC** will be susceptible to surface drying. It is important the area is shaded and **CEMPROTEC Geo80** is embedded immediately.