



CONSTRUCTION CHEMISTRY

Expanproof* 130

Single component, elastomeric waterproofing membrane

Uses

High elasticity, excellent bond with concrete and steel, excellent crack bridging properties of Expanproof* 130 makes it ideal for a wide range of water/vapour proofing applications such as foundations, basements, tunnels, ground floors, suspended floors, car decks, roof terraces, balconies, patios, inspection pits, water retaining structures (External application), sewage works, roofs, and roof gardens. The excellent chemical resistance of Expanproof* 130 makes it particularly suitable for areas where aggressive ground water conditions prevail.

Advantages

- Highly elastomeric
- Excellent crack bridging properties
- Single component, seamless coating, easy and fast application by scraper or trowel
- Excellent adhesion to substrates
- Environmental friendly
- High resistance against chlorides, sulphates, and ground water.

Description

Expanproof* 130 single component bitumen modified with polymers fibers, and solvents, cured membrane gives a tough elastomeric waterproof membrane. It is supplied in a single grade to meet all site application methods and requirements.

Expanproof* 130 is only available in black color,

Technical support

Fospak offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Properties

Appearance	: Viscos sami solid paste
Solid Content	: 85% ± 2
Initial cure at 35 °C	: 24 hours
Final cure 35 °C	: 7 days
Specific gravity	: 1.30 kg/ltr.
Chemical resistance	: chlorides, sulphates
Application temperature	: 5 to 50 °C
Service temperature	: - 10 to 60
Crack bridging	: up-to 2 mm

Surface Preparation

Surface preparation plays a very important role in determining the durability and life of waterproofing system, therefore proper care should be taken in surface preparation, concrete should be minimum 28 days cured before waterproofing is applied, all concrete surfaces should be free from dust, dirt, curing compound, oil, and steel surfaces must be free of rust and scaling, clean the surface thoroughly to remove all loosely adhering particles and cement laitance, it is recommended to use a light manual or mechanical scrubbing for cleaning. Cracks and pot holes should be repaired with suitable material.

Primer

Apply single coat of Expanproof* 100 as a primer on prepared substrate at the rate of 5 m² / Ltr. to stabilize surface. Expanproof 130 is applied when the primer is completely dry. However, in all circumstance, the waterproofing has to be applied within 24 hours of its application.

Application

Apply Expanproof* 130 at the rate of 1.30 kg/m² to achieve 1 mm thickness, high thickness can be achieved upto 3 mm, calculate required thickness material as per given rate of application, apply Expanproof 130 on dry primed substrate. Allow to dry membrane for 12 – 24 hours, after 3 – 4 hours of application cover the membrane with thick polythene sheet, and cover waterproofing either by concrete, sand cement screed, tiles etc.

Limitation

Do not apply Expanproof* 130 on wet or damp surfaces, ensure the moisture content of concrete surface is less than 5%, provide adequate ventilation when applying in confined spaces.

Never apply Expanproof* 130 directly on porous surfaces such as blocks cement boards & lean cement, sand screed without the priming coat.

For exposed areas, such as roofs & external walls, it is highly recommended to apply Expanproof* 130 when the ambient temperature is low or very high, suitable time is early morning or evenings especially in hot weather.

Application should not commence if the temperature of the substrate is below 5°C or above 60 °C.

Health and safety

Some people are sensitive to resin/solvents systems. If contact with the resin occurs it must be removed before it hardens with a resin removing cream or with skin cleanser, follow by washing with soap and water. Do not use solvent. If contact with eye wash thoroughly with plenty of water and seek medical advice.

For further information consult the Material Safety Data Sheet available for this product.

Estimating

Supply

Expanproof* 130 : 5 & 20 Kg. Tin

Expanproof* 100 : 30 & 200 Liter Drum

Coverage

Expanproof* 130 : 1.30 Kg. / m² at 1 mm thickness

Expanproof* 100 : 5 m² / Ltr.

Storage

Expanproof* 130 and Expanproof 100 has a shelf life of 6 months if kept below 25°C in the original, unopened packs.

*** Denotes the trademark registered**

REGIONAL SALES OFFICES IN PAKISTAN:

Fospak (Pvt) Ltd.

Head Office

702, Business Avenue,
Block-6, PECHS.
Shahra-e-Faisal,
Karachi, Pakistan

Tel # +92-21-34528477, 34529859

Fax # +92-21-34522436

Email info.khi@fospak.com.pk

Lahore Sales Office

2nd Floor Sarwar Shaheed Plaza,
Cavalry Ground,
Main Boulevard,
Lahore Cantt, Lahore.

Tel # +92-42-36675773

Fax # +92-42-36675838

Email info.lhr@fospak.com.pk

Islamabad Sales Office

Plot # 169, Street # 9,
Industrial Area I 10/3
Islamabad

Tel # +92-51-4575746

Fax # +92-51-9290590

Email info.isb@fospak.com.pk

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