

# Expanproof\* 55CS



CONSTRUCTION CHEMISTRY

## Cold applied bitumen emulsion protective coating

### Uses

Damp-proof coating and vapour seal for concrete and masonry. It can also be used as a protective coating for below ground steel structures.

- Below ground foundation protective coating
- Can be used as curing membrane

### Advantages

Expanproof 55CS has a number of significant advantages as follows:

- Easy to apply by brush
- Economical in use
- Multipurpose, serves both as a protective coating and curing membrane, corrosion protection for steel
- Contains no solvent, no health hazard
- Resists attack by chloride and sulphate ions present in the ground water
- Adhere to wide range of materials including concrete, steel, cork and wood

### Standards compliance

Expanproof\*55CS complies to concrete curing requirements of ASTM C309-93 when applied at a rate of 2m<sup>2</sup> per liter and to BS6949:1991 requirements for bituminous coating.

### Description

Expanproof 55CS is a brown/black liquid blend of selected bitumen emulsified with water to give an easily applied

### Specification

Concrete surfaces shall be waterproofed with Expanproof\* 55CS, bitumen emulsion protective coating. It shall be applied at a rate of 2 m<sup>2</sup> per liter, and thus act as a combined waterproofing and curing agent in accordance with ASTM C309.

### Technical support

Expanchem Fospak offers a full technical support package to specifiers, end users and contractors, as well as on-site assistance in locations all over the world.

### Properties

Expanproof 55CS provides an excellent waterproofing to below ground concrete and steel structures.

The essential properties of Expanproof\* 55CS are:

<b>Bitumen content</b>	: 55%
<b>Time between coats</b>	: Minimum 2 hours
<b>Chemical resistance</b>	:
(Test results with some common chemicals)	
Potable water	- Resistant
Sea water	- Resistant
Ground water	- Resistant

### Instructions for use

#### Surface preparation

Surfaces to be coated must be sound, clean and free of oil or grease. Any oil or grease contamination should be removed with a proprietary chemical degreaser.

If the surface is dusty, it should be primed with a coat of Expanproof\* 55CS, diluted with an equal quantity of cool, clean water and allowed to dry.

#### Application

Expanproof 55CS may be applied by brush, broom or squeegee. It is recommended that one or two coats should be applied depending on the degree of protection required. Allow a minimum of 2 hours between coats. Where the Expanproof 55CS is to take a screed, the second coat should be blinded with clean, dry sharp sand as soon as applied. The excess sand should be brushed off when the coating has dried.

#### Cleaning

Expanproof 55CS should be removed from tools and equipment with water when it is wet. On drying Expanproof 55CS may be removed with Expanchem Solvent 102\*.

#### Estimating

#### Supply

<b>Expanproof* 55CS</b>	: 30 & 200 liter drums
<b>Expanchem Solvent 102</b>	: 5 liter containers

#### Coverage

<b>Expanproof* 55CS</b>	: 2.0 to 5.0 m <sup>2</sup> / liter (depending on substrate)
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## Storage

### Shelf life

Expanproof 55CS has a shelf life of 12 months when stored under normal warehouse conditions below 40°C.

### Precautions

#### Health and safety

Expanproof 55CS contains bituminous material. Possible risk of irreversible effects in contact with skin. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

#### Fire

Expanproof 55CS is not flammable. Expanchem Solvent 102 is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

#### Flash point

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**Expanchem Solvent 102** : 33°C

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For further information, please consult the Material Safety Data Sheet for the respective products.

\* 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, Pakistan.  
Tel # +92-42-36675773  
Fax # +92-42-36675838  
Email : info.lhr@fospak.com.pk

### Rawalpindi Sales Office

1st Floor,  
Al-Harmain Plaza,  
Main Murree Road,  
Rawalpindi, Pakistan.  
Tel # +92-51-4575746  
Fax # +92-51-9290590  
Email : info.isb@fospak.com.pk

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