

# ALEXFLEX PHS



## High Performance, Polyurethane Joint Sealant

### Description

**ALEXFLEX PHS** is two components joint sealing component, based on polyurethane with coal tar pitch.

**ALEXFLEX PHS** formulated to produce flexible rubber to resist chemicals, a weather condition and UV; it has excellent adhesion force to most substrate such as concrete, brick, steel, aluminum and wood.

### Uses

- Floor joints in petrol stations.
- Sealing horizontal joints which are subjected to continuous expansion and contraction.
- Used for joints subjected to chemical attack.
- Used for roads, joints, bridges and similar.
- Used for installation of curtain walling and similar structures.
- Used for paint and rendering of swimming pools, bridge decks.

### Advantages

- Excellent chemical, hydrocarbon, oil and petroleum products resistant
- High mechanical resistance.
- Excellent movement capacity.
- High adhesion to most surfaces in building and construction work such as glass, concrete, wood.
- Save to use in environmentally sensitive conditions.
- Non corrosive.
- Non sagging.

### Properties

Colour	Grey	
Solid content	100%	
Specific gravity	1.55±0.05kg/L	
Pot life	3 hours	25°C
Application temp	4°C to 60°C	
Initial setting time	24 hours	25°C
Hardening shore	25	
Full cure	7 days	
Tensile Strength	30 kg/cm <sup>2</sup>	
Elongation	700%	
Joint Movement	± 50%	
Shrinkage	Nil	

### Standard:

ASTM C-1193, C920, BS4254, BS6920  
for Gun grade, DIN18540

### Guide to application

#### **Application:**

- The surfaces of the joint to be sealed must be clean and dry using compressed air.
- Primer may be used for the porous materials like concrete.
- Polyethylene foam is used as a backing rod filler to control the joint depth.
- The joint depth must be equal to the width, and the widths not exceed the depth.

- Generally the width not less than 5 mm.

**Mixing:**

- Mix component (A) and (B) until reaching homogenous consistency, using rod or electric drill.

**Packing:**

Is available in two pack 5.0 lit.

**Coverage:**

**ALEXFLEX PHS** is required for 1m length joint as shown in table.

Width	Depth	Quantity
10mm	10mm	100c.c
25mm	12.5mm	313 c.c
30mm	12.7mm	381 c.c
50mm	12.7mm	635 c.c

**Storage:**

**ALEX FLEX PHS** can be stored in unopened container and away from heat and water.

**Shelf life:**

Up to 12 months

**Safety precautions:**

- Is safe for employee to handle.
- Not affect human skin.
- Not considered hazardous.

**Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

**Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.

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