

# SpECTite Acryflex

ONE-COMPONENT, HIGH ELASTIC ACRYLIC WATERPROOFING MEMBRANE

## DESCRIPTION

**SpECTite Acryflex** is a one-component high build acrylic polymer based elastomeric coating. The dry film possesses superior physical properties. The dry membrane is water tight, seamless, durable, tough, highly flexible and weather resistant.

**SpECTite Acryflex** utilises the latest in acrylic polymerization technology to perform UV resistant membrane with excellent durability even in harsh/hot Middle East climatic conditions.

## TYPICAL USES

**SpECTite Acryflex** may be used for the following situations:

- Waterproofing of roofs (asbestos, cement tile terrazzo and concrete)
- Waterproofing of domes, arches, terraces, balconies, sunshades & parapet walls
- Wet area, i.e. under tiles in bathroom, kitchen and shower areas
- Waterproofing over old refurbished roof

## ADVANTAGES

- One-component ready to use, light weight compared to conventional roof system
- Formulated to withstand harsh Middle East climate
- Non-flammable and non-hazardous
- Highly elastic and UV resistant
- High crack building capability

## TECHNICAL DATA

<b>Appearance</b>	Thixotropic coating
<b>Full cure</b>	7 days
<b>Specific Gravity</b>	1.4±0.05
<b>Tensile strength (ASTM D882)</b>	0.80±0.2 N/mm <sup>2</sup>

## Elongation

**(ASTM D882)** 200±20%

## Crack Bridgeability

**(ASTM C836)** 3.0±0.5mm

## Tear resistance

**(ASTM D624)** 6±2 kN/m

## Shore A Hardness

**(ASTM D2240)** 50±5

**Service temperature** -5°C - 90°C

## APPLICATION

### Surface Preparation

Surfaces must be dry and free from oil, dust, dirt, grease and loosing materials. The substrate should be firm, in case of gaps and cracks fill with suitable polysulphide sealant and ensure the surface is level.



### Substrate Priming

For most situations, the substrate should be primed with **SpECTite Acryflex Primer**. **SpECTite Acryflex** can be applied as soon as the primer becomes dry.

### Application

Stir well before use. Do not apply if rain is expected within 24 hours. Apply the material using brush or roller. A second coat is applied at right angle after the first coat is dry. It is recommended to apply two coats of **SpECTite Acryflex** to get a thickness of 1mm. Multiple coats can be applied to achieve higher thickness. Embed glass fiber mesh around all corner joints, fillets, pipe penetration, pipes, over cracks,

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drains and where substantial movement is anticipated, lay fibre glass mesh in the wet first coat before the application of subsequent coats.

### **Curing**

It requires 24 hours to dry in between 2 coats and 48 hours curing is adequate for foot traffic. Low temperature and high humidity will slow down the curing process. 7 days are required for full cure. In case of expected rains, do not apply **SpECTite Acryflex**. Ensure curing is complete before laying thermal insulation board mechanical protection and other coverings.

### **APPLICATION TEMPERATURE RANGE**

5°C to 50°C

### **EQUIPMENT CLEANING**

**SpECTite Acryflex** should be cleaned from equipment using soap and water immediately after application.

### **PACKAGING & YIELD**

**SpECTite Acryflex** is supplied in 20 litres pail with a coverage rate of 1 m<sup>2</sup>/litre/2 coats at 1mm wft.

**SpECTite Acryflex Primer** is supplied in 20 litres pail with a coverage rate of 8 - 10m<sup>2</sup>/litre.

### **STORAGE & SHELF LIFE**

When stored in a cool environment in original unopened containers, the material has a shelf life of 12 months.

### **LIMITATIONS**

Do not use **SpECTite Acryflex** in poor drainage areas that will be constantly underwater.

### **PROTECTION FROM MECHANICAL DAMAGE**

The cured membrane could be damaged by shard objects and should be protected against damage and site abuse by other trades. Terminates the edge of the coatings securely to avoid peeling-off. Protect the coating with cement screed in heavy traffic areas. This should be done after 48 hours of curing.

### **HEALTH AND SAFETY**

Eyes should be protected from splashes by wearing goggles. In the event of contact with your eyes irrigate immediately with clean water and seek medical attention.

Skin contact should be avoided by wearing protective gloves and outer clothing. The product may be removed from the skin when wet by water and soap, and when dry by using a proprietary hand cleaner.

If ingested, seek medical attention immediately.

### **FLAMMABILITY**

**SpECTite Acryflex** is a non-flammable and non-hazardous in normal use.

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