

## Product Description

Techno AcryDec is a single component, high performance, water-based UV Resistant Waterproof Coating. It is based on aliphatic acrylic polymer. It is an advanced acrylic technology product manufactured by combination of pigment, reinforcing fillers making the polymer flexible that allows the memberane to accommodate movement in the substrate.

It is a seamless memberane that performs and adopt to any construction requirement in varied climatic conditions.

Techno AcryDec is specially formulated to seal, waterproof and decorate exterior surfaces and roofs. It seals cracks and joints in old roofs/walls and simultaneously leaving a seamless finish to the roof surface.

## Uses

Techno AcryDec is designed for use as waterproof coating on roof slabs and walls of buildings. It is also suitable for sloped roofs eliminating protective screed or tiles.

## Advantages

- Minimum surface preparation needed
- Single component - Brush or roller applied directly on the substrate
- Excellent adhesion to most building substrates
- Prevents further ingress of water in concrete
- Excellent flexibility at both high and low temperatures
- Has resistance to water penetration
- Flexible - High elongation characteristics
- Good resistance to atmospheric pollution
- Breathable - allows water vapour to escape

## Application Areas include

- Concrete or metal roofs
- Asbestos sheet and other metal surfaces
- External new and old roof
- Wood, tiles, PU foams and asphalt shingles
- Fire Walls
- Gutters, Fibre Cement Boards

## Properties

Appearance	White and in pasty consistency
Surface drying time	15 min - 20 min at 30 °C
Over coating time	2 - 3 hours
Shore A Hardness	45 - 55
Maximum Tensile strength ASTM D 412	>4.5N/mm <sup>2</sup>
Elongation at break ASTM D 412	> 300%
Weather Resistance	No evidence of cracking, deterioration & loss of flexibility
Service temperature	30°C to +90 °C
Solid Content	65% (ASTM 2369)
Density	1.33~1.35
Colors Available	Grey, Green, Terracota, White

White color AcryDec is designed for thermal insulation property in addition to waterproofing property. It can also be used on the interior walls and the roof of freezer rooms and cold storage facilities.

Thermal conductivity	
Techno AcryDec White	0.1W/m°C
Normal Concrete	1.28 W/m°C
Steel	16.0 W/m°C

Note: High values indicate higher rate of absorption of heat

## Application Instructions

### Preparation

All the surfaces which are to receive Techno AcryDec coating, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired using Techno Bond SBR Latex.

### Priming

To further improve waterproofing and bonding properties on porous substrates, we recommend La Brush Seal, a penetrating water repelling acrylic primer. Techno Brush Seal which ensures proper adhesion of all brushable elastomeric memberane when waterproofing is done on porous substrates. It also acts as a bond layer between elastomeric coating and substrate.

The surfaces to be primed must be dried before treating with Techno BrushSeal.

## Application

### New Roof

After drying of Primer, immediately apply first coat of Techno AcryDec by brush or roller. Place non-woven fibre mesh fabric on the first coat when it is in tacky condition. Apply second coat of Techno AcryDec on the reinforced coating covering the pores of the mesh properly. The system is designed so as to allow Techno AcryDec to pass through, thereby forming a compact reinforced sandwich membrane upon application. When a high force is applied on it, the third coat is recommended for large roof areas to withstand thermal movements and increase the durability of the waterproofing system.

### Old Roof

A three coat system of AcryDec is recommended on old concrete roof. After drying of Primer, immediately apply first coat of Techno AcryDec by brush or roller. Place non-woven fibre mesh fabric on the first coat when it is in tacky condition. Apply second and third coat of Techno AcryDec on the reinforced coating covering the pores of the mesh properly. Apply third coat on the dried surface of second coat.

### Curing

A final curing time of 48 hours is adequate at normal working temperatures. Ensure curing is complete before laying thermal insulation boards, mechanical protection and other coverings.

Low temperatures and high atmospheric humidity will slow down the curing rate and vice versa.

## Coverage

Techno AcryDec - 20 - 24sqm/pack in two coats on the primed surface. Coverage can vary depending upon the texture and undulations of the concrete surface.

## Packaging

Techno AcryDec is available in 20ltrs Jerry Can

Priming Coat - Techno BrushSeal - 10-12sqm/ltr (1 : 3 dilution)

## Precautions & Limitations

Techno AcryDec system has a limited resistance to water permeability. To provide effective protection to the building, when used on concrete surfaces, this system should be used in conjunction with Techno Crete range of Waterproofing Systems.

## Health & Safety

Techno AcryDec system is non-toxic but alkaline in nature. Gloves and goggles should be worn while handling. Any splashes on the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought.

## Fire

Techno AcryDec system is non-flammable

## Shelf Life

Techno AcryDec system may be stored for up to 18 months when contained in its original sealed packing.

Store Techno FibreFlex XL material in a dry place.

**Important:** Technokem products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, Technokem does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.

### For Complaints/Suggestions:

Please write to our Customer Care Executive at

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