

***FIPchemicals***®

# Roof TITANIUM Green Roof Waterproofing





### BetonFIP® WATERPROOFING RESIN BASED

#### ResinFIP® WP ROOFTITANIUM

Hybrid white waterproofing liquid membrane. RAL 9010-9003

#### BetonFIP® LATTICE

Latex to improve the adhesion of plasters, mortars and grouts for concrete casting

#### ResinFIP® WP ROOF TITANIUM

**ROOF TITANIUM** is a hybrid waterproofing, extra white liquid membrane for cool roofs. Fip Roof Titanium is a high reflectance and emittance waterproofing coating that provides also thermal insulation. Fip roof titanium is elastic in any ambient condition, impermeable to water. Fip roof titanium applied membrane has excellent adhesion characteristics to concrete, masonry, ceramic and stone materials. Resists to low temperatures and has no dirty pick up in high temperatures. Is ideal for repairing old bitumen waterproofing membranes.

#### FIELDS OF APPLICATION

- Flat roofs made of concrete
- Over old bitumen membranes
- Cement tiles, tiles
- For encapsulate eternite panels
- Under Photovoltaic panels
- Metal surfaces
- Over new or old polyurethane products
- Over cotto tiles
- Over roman roof tiles
- Polycarbonate sheets

#### PROPERTIES - ADVANTAGES

- Waterproofing
- Solar reflection
- Save energy
- Elasticity
- Durability
- Excellent adhesion
- Cost effective
- Better performance of solar panels
- Resistant to UV radiation, acid rain, heat and frost
- Resist to low temperature

#### TECHNICAL CHARACTERISTICS

Density ISO 2811-1 ,UNI EN ISO 1183-1	1,30 ± 0,05 kg/dm <sup>3</sup>
Drying time	2-3 Hours
Dry to recoat	6-9 Hours
Ph ISO 1148	8-9
Dry Content	65,4 ± 1 %
Viscosity UNI EN ISO 2555	5000 mPs at 50 rpm at 23°C
Elongation	200%
Adhesion on damp concrete surface (min ÷ max ) MPa	1,45-1,60 MPa
Adhesion on dry concrete surface (min ÷ max ) MPa	1,45-1,60 MPa

## WORK METHOD STATEMENT

### ■ Surface preparation

Concrete should be cured for minimum 28 days depending also on the minimal specification of strength. Substrate must be clean free of dust, greasy substances, surface treatments etc. Surfaces must be free of detaching elements such as surface flaking, cement dust, oils, etc. In case of damaged structures restore with BetonFIP® series products. Water in-gress must be blocked with fast setting cement BetonFIP® Water Block, cracks must be bonded and sealed with Bet-onFIP® WP and ResinFIP® Bond series.

### ■ Steel surfaces.

All steel rebar's must be clean, free from rust, oil, grease, etc. and covered with BetonFIP® Passivante. Steel light roof must be clean, dry, free from rust, oil, grease, etc. Shot blasting or sand blast to Swedish Standard SA 2½ is preferable to achieve a white metal. Any paint that cant be removed must be tested for adhesion or in order to determine an appropriate primer.

### ■ Asphaltic membranes.

Over asphalt membrane apply 1-2 coats of primer BetonFIP® lattice diluted with water in ratio 1:3, followed with at least 2 layers of coating ResinFIP® WP ROOF TITANIUM

### ■ Priming

Before applying Fip Roof Titanium is essential to clean the concrete support to remove dust and apply one layer of BetonFIP® lattice diluted with water in ratio \* BetonFIP® lattice : water = 1:3.

### ■ Application

ROOF TITANIUM may be applied by spray, brush, or roller. Applicator must check wet film thickness during the application of the finish coat to ensure achievement of specified coverage rates. Apply first layer diluted with 10% of clean water. Second layer is applied pure. Apply second layer after 24 hours

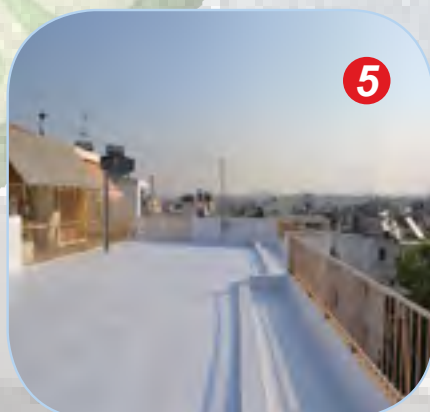
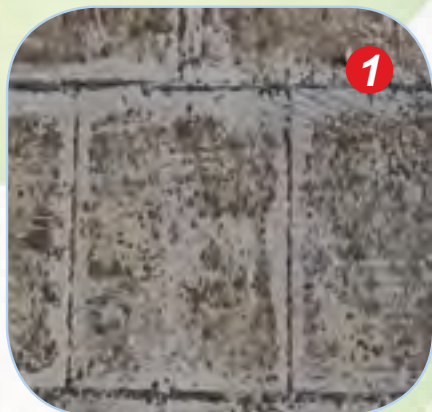
### ■ Coverage rate

We recommend the appliance of two layers in order to reach the characteristics described in the present technical sheet.

1,5-2 m<sup>2</sup>/Kg for two coats (Beton)

0,8-1 m<sup>2</sup>/Kg for two coats (asphalt membrane with gravel)

5-6 m<sup>2</sup>/lit ResinFIP Lattice Primer. \* 1part Lattice+3 part of water





**fipchemicals.it**

Fip chemicals s.r.l  
Head Office-Production  
Via Volta, 9/11 Z.I. Selve  
35037 Teolo  
T 049 7385712 F 0497385722  
Padova  
export.fipchem@fip-group.it  
Italy

Fip chemicals s.r.l  
Export Department  
Via Volta, 9/11 Z.I. Selve  
35037 Teolo  
T +39 348 8553200 F +39 049 7385722  
Padova  
export.fipchem@fip-group.it  
Italy

Distributor Portugal  
Pretensa  
Rua Eng.Frederico Ulrich N° 3210 Sala 314  
4470-605 Moreira de Maia  
T +351229416633 F +351229415151  
p.pimenta@pretensa.com.pt  
www.pretensa.com.pt