

High Performance Liquid Waterproof Elastomeric Membrane



Fitco
FIT-FLEX[®]
WATERPROOFING

Fitco
adhesives[®]

Manufactured by **National Plastic & Building Material Industries L.L.C.**
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FIT-FLEX[®]

WATER PROOFING

High Performance Liquid Waterproof Elastomeric Membrane

FIT-FLEX[®] is an elastomeric high build, cold applied, special acrylic co-polymers. Suitable for use as a damp proof membrane on all wet area floors and roofs where concrete substrate cracking may occur. **FIT-FLEX[®]** will bridge minor live cracks.

ADVANTAGES

- Water based
- Solvent Free
- Ease of application
- Cold Applied
- No fire hazards
- Remarkable resilience to accommodate roof movement
- Effective barrier against water protection
- Free from toxic hazards
- Environmentally cleaner
- Eliminates water ingress
- UV resistant
- Resistant to Pollutants
- No noxious fumes
- Dissipates and reflects solar radiation
- Withstands temperature variations
- Jointless and seamless membrane
- Conforms to ASTM standards

SURFACE PREPARATION & DIRECTIONS FOR USE

Surface Preparation is of great importance and will influence the degree of adhesion.

- The surface must be thoroughly cleaned from dirt, dust, rust, oil, grease and any loose materials.
- Ensure all surfaces are clean, dry and sound.
- It is advisable that all sizes cracks and holes be repaired.

PROPERTIES

Drying time : 4-6 hours @ 30° - 80°C
Over Coating time : 12 hours minimum @ 35°C

STORAGE

Minimum 12 months if stored in the shade below 35°C in the original unopened containers.

PACKING

FIT-FLEX[®] : 20 Kg Pail & 200 Kg Drum

FIRE PRECAUTIONS

FIT-FLEX[®] is non-flammable.

INSTRUCTIONS FOR USE (Surface Preparation)

All surfaces must be clean and dry and free from dirt, dust, oil and greases. All loosely adhering parties such as rust scale, cement laitone etc should be removed. All organic growth should be removed using a fungicidal wash, followed by thorough washing with clean water.

APPLICATION PROCEDURE

- **FIT-FLEX®** should be applied by brush, roller & spray gun to prepared surfaces.
- Do not apply if surface has not completely cured.
- Do not apply when the surface has not completely dried.



Spray gun



Roller



Soft brush

Step 1 - Primer Coat

Dilute **FIT-FLEX®** with 15 - 20% clean potable water. Apply primer coat first on corners, angles and coves by brush.

Then uniformly apply on the entire surface beginning and then on the complete surface using the most convenient application equipment. This will help seal all pores and hairline cracks.

Step 2 - Base Coat

After drying of primer coat, lightly diluted **FIT-FLEX®** for workability and apply as a base coat.

Step 3 - Intermediate Coat

Again, apply another lightly diluted coat of **FIT-FLEX®** directly from the pail, perpendicular to the base coat.

Step 4 - Top Coat

Finish by application of final coat with lightly diluted white **FIT-FLEX®**, perpendicular to the intermediate coat.

REPAIRS

Damaged areas can be readily overcoated to restore the continuity of the membrane

CLEANING OF APPLICATION EQUIPMENT

Clean the equipment used for applying **FIT-FLEX®** immediately with water.

IMPORTANT NOTES

It is important that a minimum dry film thickness of 1000 microns is attained for **FIT-FLEX®**. To achieve this thickness, a sum total of approximately 1.5 Kgs. per square metre is required to be used for three to four coats. If required by consultants, additional thickness can be attained by using more material per square metre.

In order to obtain a professional and effective result, it is recommended to follow the **FIT-FLEX®** application system of using a different colour for each coat.

FIT-FLEX® has excellent tensile strength and therefore does not require additional reinforcement material and labour. If required by a waterproofing consultant, a good quality fiberglass reinforcement mesh can be used in conjunction with **FIT-FLEX®**. Fiberglass reinforcement mesh is also recommended for traffic areas.

The fiberglass reinforcement mesh can be rolled out of the base coat after it has dried. Subsequent coats will embed the reinforcement mesh.

Water test should be undertaken only after the **FIT-FLEX®** coating has completely dried and thoroughly cured.

LIMITATIONS

Applications should not commence if the temperature is below 6°C or above 80°C.

TECHNICAL DATA

Base	:	Acrylic Copolymer
Consistency	:	Thixotropic liquid
Solvent	:	Aqueous dispersion
Flash Point	:	Non-flammable
Application Temp.	:	10°C to 45°C
Specific Gravity	:	1.25 ± 0.05 at 20°C
Solid Content	:	62%
Finish	:	Tough, seamless semiglossy, elastic film
Flexibility	:	Excellent
Shore A Hardness	:	72 (ASTM D 2240 86)
Vapour Transmission Rate	:	0.06075 mgs -1 m-2 (ASTM D814-86)
Tensile Strength	:	0.98 Mpa (ASTM D4 12-87)
Chemical Resistance	:	Resistance to mild acid & alkali
Solar Reflective	:	Reflects 69% of solar radiation and reduces solar heat gains.
UV Resistant	:	Excellent
Final Dry Film Thickness	:	1mm to 1.5mm
Ultimate Elongation	:	Above 300% (ASTM D 412-87)
Recovery at 100% Elongation	:	100% in 24 hrs at room temperature

Central Airconditioning Duct Adhesives
Canvas Coatings & Vapour Barriers
Contact Adhesives
Bonding Agents
Wood Joinery Adhesives
Flooring Adhesives
PVC Solvent Cements
Sealants



All Fitco products are manufactured to the highest quality standards and are subject to rigid quality control tests.

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