

# TECHNICAL DATA SHEET



**RAKAM**



## 208 - RAK PROOF-FB

(Acrylic Waterproof with Fibre)

**RAK PROOF FB** is a specially formulated hi build single pack, high quality, elastomeric waterproof coating. It has outstanding durability, uv resistance and a very high degree of flexibility.



### ADVANTAGES

- One component; ready to apply direct from the can
- Liquid application means details are simplified and
- there are no joints in the membrane. Highly elastic , cures to give a permanently flexible
- resilient barrier over a wide range of temperatures. Rapid Installation; significantly reduces time spent on
- Preparatory works and detailing Excellent adhesion can be applied to a wide range of
- Substrates. Contineous adhesion prevents lateral migration of water Impervious outstanding barrier properties ensure protection against corrosive soil conditions Thermally stable-irreversible chemical cure
- Eliminates melting and flow at high temperature Excellent resistance to oxidation and embrittlement
- Mechanical damage to the membrane can be easily repaired by spot application

### USES

The high elasticity, excellent bond and low water permeability of RAK Proof-FB makes it ideal for a wide range of water/vapour proofing applications such as foundations, basements, tunnels, ground floors, suspended floors, car decks, roof terraces, balconies, patios, bridges, precincts, inspection pits, water retaining structures( not potable water), sewage works, inverted roofs , toilets, bathrooms, kitchens etc. The excellent chemical resistance of RAK Proof-FB makes it particularly suitable for tanking applications in areas where aggressive ground water conditions prevail.

### TYPICAL PROPERTIES

Density	1.25g/cc
pH	8-8.5
Solid content	65 + 2% by weight
Elongation at - break	600 %
Colour	White
Toxicity	Non - toxic
Tack free time @30°C	6 hours
Time to full cure @30°C	48 hours at 1.3mm thickness
Typical cured membrane properties (at 28 days)	
Elongation (ASTM D412)	600%
Tensile Strength (ASTM D4541)	1.8 N/mm2
Recovery from 400% elongation (ASTM D412)	95%
Tear resistance (ASTM D624)	16 N
Water vapour transmission for 1.3 mm film (ASTM E96)	6.2 g/m2/24 hrs.
Permeability @ 7 bar pressure 7th Day (BS EN 12390 Part 8 : 2000)	NIL
Artificial weathering	No loss of flexibility after 4000 hours exposure
Service temperature (contineous ambient)	-40°C to 70°C

### APPLICATION

The support must be clean, free of dust, dirt, oil, grease and loose particles. When applying on metal surfaces,remove rust and contamination for best results. Apply with brush, roller or an approximate spray. Apply a primer coat of RAK Proof-FB (80% RAK Proof-FB + 20% water) with brush, roller or spray. Once the primer coat has completely dried, apply minimum two coats of undiluted RAK Proof-FB. It is important to ensure that coat has totally cured(i.e-min 6 hours at 30°C).

### ORDERING GUIDE

PRODUCT NO.	208
STANDARDS	ASTM D 4541 BS EN 12390 Pt 8:2000
PACKAGING	5 , 20 kg Packs
COLOR	White

### SHELF LIFE

Must be protected between 5°C and 30°C. 12 months in unopened airtight containers.

### CLEANING

Clean all tools with water after use.

### HEALTH AND SAFETY

As with all chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn (see packaging for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed do not induce vomiting, but call for medical assistance instructions and content details.Reseal all containers after use and ensure product is stored as instructed on the safety section of the labelling immediately.