

# TECHNICAL DATA SHEET



**RAKAM**



## 103 - RAK FLOW

Cementitious Self Levelling Compound

A cementitious self-levelling compound used for levelling of floor before applying any modern flooring system, thus avoiding any surface irregularities.

### ADVANTAGES

- Self levelling and smoothing
- Drying time of approximately one hour
- Easy to use and economical
- Can be trowelled to obtain a smooth finish
- On-site addition of water

application of RAK Flow  
All the supports should be sound, clean, free of dust, dirt, plaster, greasy matter, etc. In hot weather it is recommended to moisten the slab prior to application. New concrete should be atleast 21 days old

### NOTES

- Do not prepare more material that can be laid within the flow time of the product i.e-10 mins @ 35°C
- Do not apply in a strongly ventilated room, as the mixing water will evaporate immediately before the resin can act.
- Protect from direct sunlight

### USES

For levelling uneven floors on:

- Concrete
- Mortar
- Prefab floors, etc.

### APPLICATION

Mix the powder with clear water at a ratio of 6-7 litres of water for 25 kg of powder. Mixing can be carried out with an electric drill with spiral mixer. Mix the powder with water to obtain a lump free mixture. For better application in hot conditions, we recommend a special latex solution to mix with the powder in order to delay the setting time. The latex solution is available on request. Pour the mixed material on to the area and spread at desired thickness using a notched trowel or with similar equipment. This material is recommended for a maximum thickness of 8 mm.

### POSSIBLE TOPPING

Any glued flooring can be applied:

- Bituminous • Neoprene • Vinyl or a Polished Resins

### CAUTION

Not recommended for external use. Not suitable for use in areas subject to standing water. Ensure that at least 75% of the tile is in contact with the adhesive.

### SHELF LIFE

Up to 12 months in unopened bags kept in suitable storage conditions away from direct sunlight and rainfall.

### TYPICAL PROPERTIES

Appearance	Grey powder
Density	1.51 gm/cc
Compressive -	1 Day: 10.5 N/mm <sup>2</sup>
Strength @ 30oC	28 Day : 42 N/mm <sup>2</sup>
Light traffic	8 hours @35°C
Standard	BS 8204 Pt:1



### SURFACE PREPARATION

#### Priming

The purpose of priming is to seal the substrate to prevent air release from forming bubbles and pinholes in the surface of RAK Flow

The substrate should be primed using a 1:1 max of clean water and RAK Bond-PVA which should be brushed into the substrate using stiff brush and allowed to dry before

### CURING

RAK Flow does not require curing; however it should be protected from direct sunlight. Air blowing over the surface of freshly laid material will dry it too fast, causing it to crack

### CLEANING

Tools should be cleaned with water after use

### COVERAGE

2 kg/m<sup>2</sup> at a thickness of 1 mm

### ORDERING GUIDE

PRODUCT NO.	103
STANDARDS	BS : 890
PACKAGING	25 kg Paper / Plastic Bags
COLOR	Grey

### 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 product be accidentally swallowed, do not induce vomiting but call for medical assistance immediately. Ensure the container is available for the medical attendant to examine any relevant instructions and content details. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labelling.