

# NATCEM® TANK

## For Waterproofing



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## Installation Instructions

### Surface Preparation

Do not use on frozen or overheated substrates (Outside the range of 0°C - 30°C).

Prepare the surface in advance, ensuring it is well roughened to provide an adequate key. Any adhesion reducing substances such as oil, paint, bitumen, grease or laitance must be removed by suitable means.

On glazed brickwork the joints should be rakes out and the surface bush hammered to form a key. The surface to which the NATCEM® TANK is applied should be clean, free from dust and thoroughly dampened. Where necessary, steel or aluminium mesh can be used. Ensure that a **10mm minimum thickness** of material is obtained.

### Mixing

Each bag of NATCEM® TANK should be mixed with between **3.6 and 4 litres of water**. For optimum results, mix using conventional mixing machines.

Always place the water in the mixer or mixing container and add the powder. Gradually add the NATCEM® TANK to **3.6 litres** of clean water per bag whilst continuously mixing the material. If one bag or less is to be used, the NATCEM® TANK can be mixed with a Rose Bud type paddle attached to an electric drill (900 rpm, 1000w). Mix vigorously for at least 2 minutes after adding all the mixture to the water.

NATCEM® TANK is designed to give a fluid mix but this only develops after sufficient mixing. The mix will appear dry at first. Continue mixing until fluidity develops. If greater fluidity is required, more water up to a total of **4 litres** may be used. Exceeding this ratio will lead to lower strength, longer setting time and the risk of surface cracking appearing.

### Application

After mixing, apply the material as quickly as possible after mixing using traditional tools. A **10mm minimum thickness of the material is always necessary**.

DO NOT apply additional water to the surface during finishing as this may cause surface cracking. Once setting has started DO NOT attempt to remix or to smooth the surface. This will cause the mechanical properties, in particular strength and adhesion to be lost.

### Coating

When applying a finishing plaster to the surface of NATCEM® TANK, we recommend using Thistle Board Finish Plaster. **We DO NOT recommend using Multi-Finish Plaster.**

### Coverage

Each 25kg bag of NATCEM® TANK when mixed will cover approximately **1m<sup>2</sup> at 10mm depth**.

### Setting Times

NATCEM® TANK is designed to commence setting at 55 minutes and finish setting at 60 mins at 20°C. In winter NATCEM® TANK can be used down to 0°C. The set will be slower but can be accelerated by using warm water. In very hot temperatures the set will be faster and can be slowed by using cold water.

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### Tanking

Cut out a chase a minimum of 10mm deep by 10mm wide at all internal angles of the wall to wall and wall to floor joints. Then fill with NATCEM® TANK as the work proceeds.

Form fixing points by cutting out an area at least three times the diameter and one and a half the length of the fixing, filling with the NATCEM® TANK as work proceeds but clearly marking the position.

Well dampen the surface with water but ensuring no standing water. Mix the NATCEM® TANK, then dampen the surface again with water. Carry out the rendering of the walls using standard techniques, ensuring at all times a minimum thickness of 10mm is maintained.

Protect against direct sunlight or wind until the setting has completed. Once the NATCEM® TANK has set, **allow at least 1 hour** before applying any surface coatings or covering to the walls or to the floors.

