

# SERVITILE 20<sup>®</sup>

High performance, Fast setting, one component, tile adhesive mortar

## Description

**Servitile** is **Prompt** cement based premixed tiling adhesive mortar class **(C2F)** according to **EN 12004**. The mix design includes graded high purity sands, and a synergistic blend of admixtures. The mix contains no chlorides, ferrous metal or other deleterious materials. The product is pre-blended and ready for mixing on site to produce an easy to apply, homogenous mortar which rapidly hardens to a strong bonding and impervious material ideal as a tile adhesive mortar for tiles or bricks.

**Servitile** may be applied on all types of substrates, concrete, bricks or stones.

## Advantages

- Fast setting reduces waiting time and cost.
- Reduced slip for easier application.
- Decreased permeability as well as characteristics improvement over 10 continued years.
- Excellent adhesive bond strength
- Water resistant
- Resists alkalis and acids of PH as low as 4.
- Formulated for short and long-term efficiency – Lifetime..
- Cost effective compared to resinous mortars.
- Easy to apply, saves time.
- Can be applied up to 5mm thickness.

## Uses

**Servitile** applications include but are not limited to:

- Excellent for natural stones & marble
- Excellent for porcelain, ceramic, mosaic, slate and quarry tiles.
- Tile on tile for ceramic & cement tile
- Pools, kitchens, bathrooms and roofs

**Standards & Specifications** in compliance with: **EN: 12004 “C2F”**

<b>Color</b>	Grey / Beige
<b>Bulk density</b>	1.47 Kg/L
<b>Consistency</b>	Very Viscous mortar
<b>Toxicity</b>	Non-toxic
<b>Fresh density</b>	1.58 Kg/L
<b>Setting time</b>	initial setting : 45 min @ 22C Final setting : 1:45 hr @22C
<b>Open time (EN 1346:2007)</b>	10 minutes
<b>Adjustability time</b>	about 5-10 minutes
<b>Pot life</b>	25 minutes
<b>Adhesion (EN 1348:2007)</b>	After 24 hr : 0.5 N/mm2 (AF-T) After 28 day : 1.5 N/mm2 (AF-T)

## Package & Coverage

**Servitile** is supplied in 25 Kg bags.

After mixing with water, the 25 Kg bag yields about 15.5 liters of mortar covering (7.0 - 8.0) m<sup>2</sup> of 2 mm thickness on an even surface. Allowance should be made for any possible wastage when estimating.

## **Application Instructions**

### **Surface preparation**

All substrates should be clean, free from dust, loose particles, grease, oil or any other foreigner matter.

All concrete surface defects (Honey combs, Rock pockets, air voids .....etc.) should be repaired following a proper repair procedure, using **Servirep** or **Serviultra Seal mortar**, water is to be added to the dry mix while mixing with gloved hands to a mastic consistency. Before applying **Servitile**, all surfaces should be saturated with water, even the tiles, with no running water (saturated surface dry) just before application.

### **Mixing**

- In a suitable container add about 4 liters of potable water, and start mixing with a slow speed drill (350 - 450) rpm while adding gradually the content of a 25 Kg bag of **Servitile** for enough time to produce a homogeneous mix.
- Mechanical mixing is essential for a rapid and homogeneous mix. Forced action pan mixers or free fall mortar mixers are suitable.

### **Application**

- **Servitile** will be laid by a notched trowel on the prepared substrate with a notch depth about 4 - 10 mm.
- Don't apply too much mortar which can't be covered with tiles within the open time (you can check the open time by touching the adhesive bed with your fingertip).
- Any adjustments to tiles should be made during the open time.
- If it is required, use the straight side of the trowel to apply a thin covering of adhesive to the back of the tile.
- After laying a section at time, remove any excess adhesive from the surface of the tiles and within the grout joint while the adhesive is still wet.

### **Precautions**

- Protect the **Servitile** bags from direct sunrays or any other source of heat before use, this can lead to a very fast setting.
- Avoid working on hot substrates.
- Avoid mixing with hot water.
- Stiffened mortar should never be remixed with water.
- The open time is directly related to the absorbency of the substrate and temperature.
- **Avoid contact with gypsum or any other sulfates on substrate, mixing water or curing water in plastic state.**

### **Health and safety**

**Servitile** is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.

### **Storage & shelf life**

**Servitile** should be stored in normal temperature and closed shaded dry area in undamaged original packing. It is recommended to be re-tested after 6 months from the production date.

### **Technical support**

For any technical support, please consult our technical office or representatives.