

## “FLEX-C-MENT” VERTICAL AND HORIZONTAL OVERLAY SYSTEMS TECHNICAL SPECIFICATIONS

### DEFINITION

One component, cement based, poly fiber admixed, flexible, easy to install and anti bacterial wall and floor overlay systems.

#### *Wall Overlay System:*

Light weight, flexible, limited shrinkage, anti bacterial, breathable, insulating characteristics, fire resistant, minimized preparation works, light weight and suitable for multi-story building applications.

#### *Floor Overlay System:*

High durability, limited shrinkage, anti bacterial, minimized preparation works. The Decorative Concrete Flooring product is easily applied on existing surfaces. There is no need for sandblasting, acid etching or scarifying of these surfaces before application.

### COLORS

16 types of different natural stone colors are offered to create unique and natural color stone designs. The system comes with optional glossy or mat finish look as a function of final coat sealers of Flex C Ment.

### TECHNICAL SPECIFICATIONS

#### **Wall Overlay System**

Dry bulk density	≥1260 kg/m <sup>3</sup>
Workability period (at 20°C)	Apprx 25-30 min
Initial setting	6-12 hours
Final setting	28 days
Grey Wall Mix Compressive Strength	12,9 N/mm <sup>2</sup>
Grey Wall Mix Bending Strength	4,1 N/mm <sup>2</sup>
White Wall Mix Compressive Strength	18,8 N/mm <sup>2</sup>
White Wall Mix Bending Strength	4,6 N/mm <sup>2</sup>
Adhesive Strength	≥1,2 N/mm <sup>2</sup>
Capillary Water Absorption	≤ 0,10
Storage/Shelf Life	6 months in low-humidity environment.

#### **Floor Overlay System**

Dry bulk density	≥1900 kg/m <sup>3</sup>
Workability period (at 20°C)	Apprx 25-30 min
Initial setting	6-12 hours
Final setting	28 days
Grey Overlay Mix Compressive Strength	23 N/mm <sup>2</sup>
Grey Overlay Mix Bending Strength	5,7 N/mm <sup>2</sup>
White Overlay Mix Compressive Strength	45,8 N/mm <sup>2</sup>
White Overlay Mix Bending Strength	6,9 N/mm <sup>2</sup>
Adhesive Strength	≥1,1 N/mm <sup>2</sup>
Capillary Water Absorption	≤ 0,11
Storage/Shelf Life	6 months in low-humidity environment.



## **PREP WORKS AND GENERAL APPLICATION PROCEDURES**

- Application surface should be completely free of paint, dirt, residue, oil and dust.
- All unstable pieces on the surface should be removed, cleared or firmly fixed.
- Cracks existing on the application surface should be fixed and examined. Reasons of the cracks should be prevented.
- Application subsurface should not be starving for water. Subsurface should be wetted approx 12 hours and again 1-2 hours before the application.
- Application surface may be damp but free of standing pools of water.
- For product information installers should refer to Installation Manual.
- Flex C Ment systems should only be installed by certificated and trained installers.
- The subsurface should primed by unique adhesive agent Primer 100.
- The wall application system is applied in 2 stages. First layer (scratch coat) should applied at 2-3 mm thickness and should completely dry before the second layer of wall application is installed. The thickness of the second layer is defined by choice of design.
- The applications should be kept damp for 3-4 days by wetting surface twice a day after the initial hardness is achieved (by the second day of the application).
- For further information about the installation details please refer to training manual.
- During the application process the temperature should not be under +5C<sup>0</sup>.
- For the extreme weather conditions like strong wind, direct sunshine, frost and cold please refer to precaution methods at your manual.

### **Cleaning and Care**

There is no need to use chemicals to clean the surface from dirt. Use only clean water and soft brushes to clean the surface.