

# CS FLEX W

## Two Component Tile and Stone Adhesive



### PRODUCT DESCRIPTION

CS Flex W is a two-component, ready-to-use, high performance polymer modified adhesive for stone, tile and large format tiles and stones where nominal to moderate substrate movement is expected. It is suitable for both vertical as well as horizontal applications and is specially designed for cladding both indoor and outdoor.

### SPECIAL FEATURES

- Recommended for light colored stone, especially white stone
- Component B is a pure acrylic emulsion containing extremely fine polymer particles so it provides barrier properties to the entire core of the adhesive resulting in
  - Superior adhesion
  - Flexibility
  - High level of waterproofing under the stone
  - Preventing stain development from below the stone surface

### ADVANTAGES

- Non-toxic
- Low/minimal sag even with impregnated stone and tile on vertical applications
- Minimal/eliminated shrinkage crack formation due to self-curing properties
- Long open time
- High flexibility and deformability
- Suitable for heavy duty applications with moderate structural movements
- Suitable for external cladding
- Foot traffic can be made available after 48 hours

Surfaces	Materials	Uses
Cement-based screeds and mortars	Marble and natural stones	Adhesive and finishing
Cement based plaster/renders	Indian marble	Flooring
Old tiles	Ceramic mosaic	Overlaying
Wooden floors (with primer)	Terracotta	Domestic and Commercial
Concrete surfaces	Ceramic Tiles	Swimming Pools
Fibrous cement	Vitrified tiles	Swimming Pools

### PACKAGING

20 kg powder + 6.25 L liquid

### STORAGE AND SHELF-LIFE

CS Flex S1 has a shelf life of 1 year from date of manufacture. Product should be stored in a cool and dry environment.

### PRODUCT SPECIFICATIONS

Color	White
Wet Density	1.65 – 1.70 g/cm3
Packaging Physical State	Powder and Liquid Separate
Coverag	8 – 8.5 kg/m2 using 5 mm thickness
Setting Times	Initial : 200 – 280 minutes Final : 320 – 380 minutes
Pot Life	90 minutes
Open Time	20 – 30 minutes (EN 12004)
Adjustability Time	10 – 15 minutes @ 35°C
Light Foot Traffic	20 - 24 hours
Heavy Foot Traffic/grouting	48 hours
Tensile Adhesion Strength	> 1.00 N/mm2 (IS 15477 : 2019)
Shear Adhesion Strength	> 1.25 N/mm2 (IS 15477 : 2019)
Deformability	More than 2.5 mm (IS 15477 : 2019)



### PREPARATION AND USE

- Surface Preparation: All surfaces should be dimensionally stable according to IS 1443-1972. Surfaces should be fully cured and cleaned for oil and adhesion inhibiting materials like dirt and laitance.
- Follow printed instructions to prepare adhesive. Slowly add powder to the liquid and mix to a smooth workable paste using a slow speed stirrer. Do not add extra water to extend pot life.
- Allow the mix to mature for 4 minutes before application.
- Application: It is necessary to apply sufficient layer of adhesive to ensure maximum adhesion. Perform test sample whenever possible to ensure proper results. Protect from rainfall for at least 24 hours.

### DO NOT USE

- Metal, plastic or any deformable material.
- Uncured substrates
- Surfaces subject to violent vibrations
- Consult technical support staff before use with marble and limestone and other natural stones subject to staining and/or water absorption

### NOTES

- Abide by all national safety and application regulations
- Do not use adhesive to correct surface irregularities greater than 10 mm
- Temperature, humidity, ventilation and quality of surface will affect adhesive workability and curing time.