

## MORSUN SELF-LEVELING EPOXY FLOOR COATING MORTOFLOOR

### PRODUCT CODE

**MCS-FC-671**

### PRODUCT DESCRIPTION

Mortofloor FC-671 provides an impervious floor topping with excellent resistance to the surface against mechanical wear and attack from various chemicals. The product is available in various colours and is ideal for commercial and industrial floor covering especially in Electronic, Computer Rooms, Hospitals, Chemical handling & process plants, Fertilizer complexes, Dairies, Breweries, Oil Refineries, Paint work shops, Battery rooms, Electro-Plating factories, Sugar and Food industries, etc

### SUGGESTED USES

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### TECHNICAL DATA

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| <b>Advantages</b>           | 1. Durability: Excellent resistance to abrasion and wide range of chemicals (for details of chemical resistance refer to Morsun Technical Service Dept.) 2.Ease of Application: The product is designed for easy laying and smooth finish. 3.Seamless: The coating is seamless hence eliminates chances of failure from joints. 4.Shock and Impact Resistance: Mortofloor FC-671 is a specially formulated two-part flexible epoxy floor coating. The product is formulated using Polysulfide, Epoxy resin and Special Hardener. Epoxy resins are well known for their properties like adhesion, toughness and chemical resistance. Polysulfide imparts flexibility, impact and shock resistance. The product is supplied in pre-weighed units ready for on-site mixing and application. The finish obtained is smooth, semi-glossy to glossy and seamless |
| <b>Colour (Limited)</b>     | As required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Finish</b>               | Glossy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Mixing Ratio</b>         | B : H 1.6 : 1 by wt. / 3:1 by Volume                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Pot Life</b>             | 2 hours Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Theoretical Covering</b> | 2 M2 @ 500μ / 1 M2 for mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Light Traffic load</b>   | 72 hours minimum 7. Full Cure (Heavy Traffic) : 7 days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Compressive Strength</b> | 450 – 500 kg./cm2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Flexural Strength</b>    | 300 – 325 kg./cm2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tensile Strength</b>     | 125-150 kg/cm2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Elongation Break</b>     | 5 – 6%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Adhesion to Concrete</b> | 30 kg. / cm2 APPLICATION INSTRUCTIONS Mortofloor FC-671 Floor Coating System is applied in three stages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Stage 1</b>              | A thin Primer / Sealer coat (tack coat) is applied on the dust free, oil free concrete surface for adhesion and bonding. This is a mist coat to wet and seal the substrate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Stage 2</b>              | A 450-500 microns trowel coat is laid on the primed surface with trowel and roll a spiked roller on the material to help it level properly to get a smooth semi glossy finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Stage 3</b>              | Allow the trowel coat to cure for at least 18-24 hours before recoating. Please note that topcoat is applied only after drying of the earlier coats                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>              | Store in cool, dry conditions in original tightly sealed containers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Shelf Life</b>           | 12 months in sealed container stored at room temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Safety</b>               | These coating systems are for industrial use only. Avoid eye contact. Do not ingest or inhale. Follow all material safety procedures and special precautions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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