



FLOCON-SLF 165

PRODUCT DESCRIPTION:

FLOCON SLF 165 is a Factory Formulated, Premixed, Preblended cementitious formulation designed using European Technology for various Thin section High performance Overlays applications. It is a single component pre-packed high performance polymer modified cement based mortar with high abrasion, impact and skid resistances and is ideal for commercial, light traffic office, industrial and residential applications. It can be used for Interior as well as Exterior applications.

USAGE:

It is a Blend of various Cementitious Pozzollans, Polymers & Admixtures to achieve various Surface finishes, strength, workability etc. It can be used as Exterior Self-Leveling Concrete Topping as well as a underlayment for fast-track resurfacing and smoothing for exterior and interior applications over concrete and approved, properly prepared, non-porous surfaces, including terrazzo, epoxy coatings and ceramic and quarry tile – on, above or below grade. It can be sealed to create a concrete wear surface for commercial, light industrial and residential applications, including storage rooms, workshops, parking garages, parking decks, driveways, patios and plazas. It also can be used as an underlayment for finish flooring before applications of vinyl carpets etc. It can be installed from 3 - 10mm in one application and up to 2" (5 cm) with the addition of appropriate aggregate. Pourable or pumpable when mixed with water, it seeks its own level, produces a smooth, flat, hard surface and dries quickly without shrinking, cracking or spalling.

ADVANTAGES:

- Flowcon SLF 165 is Capable of delivering excellent surface finish in thinner sections (min 4-5mm recommended)
- Reduced Labour requirements, due to ease of placement & finishing
- Reduces impact on environment due to reduce in noise pollution due to elimination of vibration for compaction
- Can be offered in various earthy Oxide Based UV & IR Light Fast Stable Colours
- Labour Savings due to reduction in Placing & finishing time
- When used as a screed can offer superior performance against conventional site mixed sand, cement mortars, screeds
- Manufactured in a controlled factory environment to give a uniform consistent results
- Its formulations can be tailor made to suit the specific site/job requirements
- Excellent adhesion to concrete.
- Excellent abrasion & impact resistance.

Uses:

- Repairs and resurfacing of old and worn concrete floors, roads, bridges, runways, tarmac, etc.
- Patching and repairing of damaged concrete surfaces.
- Suitable for interior and exterior application, e.g. warehouses, car parks & driveways, bus bays, Residential, Hotels, Commercial establishments interior & exterior floorings
- Repair and re-surfacing to damaged concrete staircases.

- Coating to internal and external walkways for new and upgrading projects.
- Protective screed for industrial floors in medium wearing areas
- As a repair patch over exposed concrete floor, slab and tile surfaces

Application Guidelines:

Clean the surfaces and remove any dust, oil, grease or other contaminants. Defective and unsound substrate has to be removed and repaired prior to application of SLF 165. Existing substrate expansion joint is to be continued through the new topping and any movement joint. Smooth and compact surfaces must be roughened by mechanical means. SLF 165 can be installed from 1/4" (6 mm) up to 3/4" (19 mm) over large areas neat and up to 2" (5 cm) with the addition of proper aggregate. It can also be tapered to meet existing elevations. The addition of aggregate will diminish the workability of the product and may make it necessary to install a fresh neat coat to obtain a smooth surface. Allow the initial application to dry for 24 hours, and then prime this layer with suitable concrete primer. Allow the primer to dry 3 to 4 hours before installing the neat coat of SLF 165.

Application

SLF 165 is mixed one bag at a time. Mix each 25Kg bag with 4.5 ltr of clean water. Pour the water in the mixing drum first, and then add each bag of SLF 165 while mixing with a proper low speed mixer and a 1/2" (12 mm) heavy-duty drill (min. 450 rpm). Mix thoroughly for approximately 2 to 3 minutes to obtain a lump-free mix. **Do not overwater!** If while mixing or settling of the sand aggregate while placing, it indicates overwatering.

Priming

Prime the substrate using suitable primer recommended as per the substrate (contact the company representative for the recommended primer system)

Curing

Dry curing is essential to Flocon SLF 165 cure for a minimum of 48 - 72 hours at 25°C. When the total application thickness will exceed 500 microns, then it must cure 3 days at 25°C prior to installing the protection layer. Foot traffic can proceed as soon as the sealer / coating has cured. Avoid vehicular traffic for a minimum of 48 hours after the SLF 165 has been installed. If SLF 165 is being used as an underlayment that will receive a finish floor covering, allow it to cure 24 hours at min 25 deg cent prior to proceeding with the flooring installation. Drying time is a function of jobsite temperature and humidity conditions and the installation thickness. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying. Forced drying can dry the surface of the underlayment prematurely and is not recommended.

Cracking

SLF 165 is formulated as a highly durable, non structural wear surface. As such, it is important to note that no one can predict with 100% accuracy the appearance of cracking in a nonstructural overlay. While there can be several causes for cracking, it must first be understood that the installation of thin layers of non-structural overlays are not capable of restraining movement in the structural slab, which could lead to reflective cracking. Conditions most likely to lead to crack telegraphing (cobweb cracking, crazing) include deflection of a concrete slab; vibration of a concrete slab, such as that due to Vehicle traffic ; swaying or "racking" of substrates in high rise buildings due to wind; existing cracks in the substrate; control joints or saw-cuts; expansion joints; abutment of dissimilar substrates; embedded metal ductwork and/or small cracks off of the corners of metal inserts, such as electrical boxes or vents in the floor. cracks may telegraph up into the surface in any area that exhibits movement. We know of no method to prevent this telegraphing from occurring. Additionally, certain jobsite conditions can lead to hairline cracking, also known as map, cob web cracking or crazing. Hairline cracking, while aesthetically

unpleasant, typically does not affect the overall performance of the topping. The most common cause of hairline cracking is overly rapid moisture evaporation from the topping during cure, which tends to happen when ambient humidity in the space is very low and/or air is moved rapidly over the surface of the topping. Hairline cracking also can occur when there is slight substrate movement while the topping cures. If cracking occurs, we recommend sounding the affected areas to ensure that the topping /overlay is well bonded to the substrate. As long as the topping is well bonded, its overall performance will not be affected. Where rapid drying conditions exist, such as high temperature, direct sunlight and strong wind, It must be protected by a polythene sheet to reduce water loss. Do not apply if temperatures are below 10deg cent & above 40 Deg cent

Caution Note

SLF 165 applied surfaces are intended for light industrial, commercial and residential use only. While light foot traffic can proceed after 3 - 4 hours, avoid vehicular traffic for the first 48 hours after installation. Excessive service conditions, such as steel- or hard plastic-wheeled traffic or dragging heavy metal equipment or loaded pallets with protruding nails over the surface, will cause gouging and indentations. SLF 165 is not a resurfacing topping for heavy-duty manufacturing areas, areas with heavy truck traffic or for chemical environments would require customized industrial toppings. As with any floor covering (wood, soft natural stone, marble, etc.), allowances must be made for scratches or abrasion that occur due to moving or sliding furniture or fixtures over the surface. Keeping the surface clean and free of dirt or other contaminants also will help to minimize scratching and abrasion due to foot traffic. This product is not a vapor barrier and will allow free passage of moisture. Pls apply the appropriate sealers like Aquaseal WB/ Aquaseal WB PU / Densifier followed by polishing Pls check for the inherent moisture content, and test the substrate prior to installing SLF 165 Where substrate moisture is higher, then a suitable primer application is recommended to avoid any chances of Delamination of the topping later.

Storage:

Store in a cool & dry place away from Direct sunlight with proper sealed Bags

Shelf Life: Minimum 12 Months if stored in a cool & dry place away from direct sunlight, water, moisture.

Packing : 25 Kg woven bags with Liner

Note: FLOCON Premixes for Polished concrete flooring are formulated to be perfectly homogeneous in appearance. But sometimes the physical act of spreading and smoothing, along with the sanding process, will result in optical variations in the appearance of the floor even though it is very flat. The aesthetic appearance of the floor that is created is subject to possible technical and artistic tolerances. Variations in the overall finished appearance are an intended effect and should be expected. Always install an adequate number of properly located test areas, including the processing, to determine the suitability and aesthetic value of the products for the intended use. The finished floor achieves its published mechanical properties after 28 days

Disclaimer

The information contained herein is believed to be accurate and is offered in good faith for the guidance of the consumer. We cannot accept any responsibility for errors in, or misinterpretation of the information contained in this brochure. In view of our constant endeavor to improve the quality of our products, we reserve the right to alter or change The specifications without prior notice

For Details Contact :

TEJ INNOVATIVE PRODUCTS B-4,P-10,ABOVE I.O.BANK,H.F.S.ROAD, JOGESHWARI(EAST) MUMBAI-400060 INDIA
Tel. : (O):0091-22-28246536 / Cell:0091-9821170321 / 7977169080
Email: tejas_t@yahoo.com OR tejas60@gmail.com