

COSTARFLO 600 SL

Three Component, Solvent Free, Anti-static and Anti-Bacteria Epoxy-Based Self-Leveling Floor Topping



PRODUCT DESCRIPTION

COSTARFLO 600 SL is a high performance, solvent free epoxy resin based self-leveling floor toting with high mechanical strength developed for use on metal and concrete surfaces. It provides a seamless, tough, chemical resistant and hygienic floor surface.

ADVANTAGES

- Self-Leveling
- Ensures a hard and durable surface
- Seals surface preventing water, fuel and oil permeability
- Ensures safe use in places with poor ventilation
- Seamless dust free and easy to clean surface
- Excellent surface hardness, mechanical and resistance
- Excellent flexural and tensile strength
- Dense corrosion resistance surface
- Great resistance to chemicals, acid and solvents
- Great anti-static properties

USES

COSTARFLO 600 SL is used to provide a heavy duty leveled surface for storage and assembly halls, maintenance workshops, garages, loading ramps, factories, warehouses, shopping centers, laboratories, plant room for pharmaceutical and health care product manufacturing units, operation theaters, food & beverage manufacturing industries etc.

PROPERTIES

Surface Preparation

New concrete surfaces and cementitious plasters must be cured for at least 28 days. It should be dry, free from loosely adhering particles, laitance and grease. All particles must be vacuumed from the surfaces before application.

Sand blasting also must be made if necessary.

Old concrete surfaces, cementitious plasters and all other similar surfaces should be dry, free from loosely adhering particles, laitance, grease, paint and should be cleaned with a light sand blasting process if possible or by scraping or brushing.

Prior to application, steel surface should be degreased and primed with costar zinc primer.

Priming

The surface shall be primed with Costarflo 500 using rollers or brushes by scrubbing into the surface. For highly porous substrates, a 2nd coat may be required after the first coat is absorbed. The coating is applied when the primer is dry (not when tacky). However, in all circumstances, the coating shall be applied within 24 hours of application of the primer. If the primer surface is left open for more than 24 hours, then a fresh coat of primer has to be re-applied.

Product Preparation

Costarflo 600 SL components are to be mixed at site and used. However, part mixing is strictly prohibited. Take a suitable container and pour the resin (A) into it. Add the hardener (B) into the resin and mix thoroughly with a paddle mixer. Use of a slow speed drill is recommended to reduce the formation of air bubbles. Then slowly add the filler (C) into the container and mix thoroughly for a few minutes until a homogeneous material is obtained.

Product Application

Apply the Costarflo 600 SL, by pouring on to the primed surface and spread with a steel notched trowel to achieve a 2mm to 4mm seamless topping. The Coverage for this product is (1.7kg/m²) per 1mm thickness. Once the material is evenly spread, continuous spiking with a spiked roller is to be done to remove all entrapped air.

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TECHNICAL PROPERTIES

Packaging	Component A	Component B	Component C	Total set
	Resin	Hardener	Filler	Flow-able slurry
	5.42kg	3.94kg	14kg	23.36kg
Density	1.7 g/cm ³			
Surface	Smooth			
Compressive strength	> 70 N/mm ²			
Flexural strength	> 50 N/mm ²			
Bonding to concrete	2.6 N/mm ² (Exceeds concrete cohesion)			
Processing time	± 45 minutes.			
Walk-able time	after 24 hour			
Fire class	BFL S1 EN 13501 Euro norm			
Full mechanical load	after 4 days			
Heat resistance	60 °C			
Consumption	1.7 kg/m ² /mm.			
Layer thickness	2-4mm			
Curing	Shrink-free			
Abrasion resistance	= AR0,5			
Impact resistance	= IR10			

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SHELF LIFE

Shelf life is 12 months provided the temperature is kept within the range of 5°C to 50°C.

STANDARD COMPLIANCE

Conforms to the requirement of EN 13813

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product.
- *For Professional Use only.*

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

The information and recommendations relating to the application of Costarchem products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costarchem endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costarchem reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.