Ozone Eposcreed

Heavy duty, chemical and abrasion resistant epoxy floor screed

Description

Ozone Eposcreed is a high performance, solvent free epoxy screed for application to concrete floors where properties of high strength, abrasion and chemical resistance are required. Suitable for applications within engineering, chemical plants, plating shops, laboratories, loading bays in breweries, dairies etc., and many other various locations.

Colours Available

Tile Red, Blue, Light Grey, Slate Grey, Mid Grey, Magnolia, Corn, Mushroom and British Racing Green.

Primary Applications

- Heavy engineering plants and steel works.
- Electricity substations.
- Oil refineries and plating factories
- Ware houses.
- Heavy loading areas.
- Airport and parking areas.
- Car show rooms and mechanical workshops.

.

Advantages

- Excellent general chemical resistance.
- Hard wearing, abrasion resistant, durable topping.
- Joint less screed eliminates potential sources of failure.
- Good gripping surface for traffic.
- Suitable for all pedestrian, vehicular and forklift traffic.

Properties

Compressive Strength:(ASTM C 109:90)	85 N/mm^2
Flexural Strength:(BS 6319,Pt3)	28N/mm^2
Tensile Strength:(BS 6319, Pt 7)	15N/mm^2
Abrasion resistance:(ASTM C 501)	0.77g/100 Cycles
Bond strength to concrete:	Stronger than integral strength of concrete.
Pot life:	60 mins at 15°C
Initial hardness:	24 hours at 15°C
Full cure:	7 days at 15°C
Coverage Rate:	1.8 m^2/25 kg at 6mm Thick
Epiprime	
Pot life:	60 mins @ 15°C
Coverage:	6-8 m^2/kg

Note: Where chemical resistance is required or where the screed is laid in areas which are frequently underwater, the system should be sealed using Ozone Epocoat SF or Ozone Epocoat.

Technical Support

Technical representatives are available to provide further information and arrange demonstrations.

Packaging

8kg,15 kg,25kg units.

Storage

Store in a dry and cool place below 35°C. Protect from direct sunlight.

Shelf life

12 months if stored properly in original unopened packaging.

Instruction for use

Surface preparation:

All surfaces should be clean, dry, free from oil, grease and chemical contamination. Concrete surfaces should be free from laitance which should be removed by grit blasting or scarifying. If it is not practical to grit blast or scarify, it is possible to acid etch the floor. However, precautions must be made to prevent the concrete from absorbing excess moisture. It is recommended that concrete substrates should not have a moisture content of more than 75% RH. This can be assessed using a hair hygrometer covered with polythene for 24 hours as recommended by BS 8203. Should the strength or the surface stability of the concrete base be in doubt, then we recommend a trial patch of Ozone Eposcreed be applied to assess its suitability. On highly polished/power floated floors, mechanical preparation or acid etching will be necessary.

Priming:

Ozone Epoprime should be used. Mix Ozone Epoprime in the proportions supplied by adding the entire contents of the hardener tin to the contents of the base tin and thoroughly mix. Once mixed this should be applied to the substrate and rolled or brushed well in. If the Ozone Epoprime is totally absorbed the substrate should be reprimed. The Ozone Eposcreed should be applied between 15 minutes and 3 hours after the application of Ozone Epoprime, while the Ozone Epoprime is still tacky,

Mixing:

The Ozone Eposcreed base and hardener components should be thoroughly mixed in the base container. In cold conditions it will greatly aid mixing if the materials are stored in warm conditions. Once the base and hardener are thoroughly mixed they should be transferred to a suitable forced action mechanical mixer such as a crete angle the aggregate added slowly. Once all the aggregate is added, mix thoroughly for 3 -4 minutes until a homogeneous mix is obtained.

Application:
The floor area can be divided into strips one meter wide with timber laths the thickness of the required screed. The Ozone Eposcreed is then laid in strips and worked into previously laid sections and then allowed to harden. The mixed Ozone Eposcreed should be raked evenly over the primed surface and be tamped to ensure complete consolidation, then finished with a float kept clean by wiping with a cloth dampened with Ozone Solvent. Ozone Eposcreed may be carried up the wall to form a coving. Expansion joints in the floor must be maintained and filled with an appropriate joint sealant. In wet areas where Ozone Eposcreed is to be subjected to aggressive chemical attack, it is recommended that the surface be sealed with Ozone Epocoat WB or Ozone Epocoat for added protection.

Cleaning & disposal

All tools and equipment should be cleaned immediately after use with Ozone Solvent. Do not dispose off into water or soil but according to local regulations.

Precautions & Limitations

Minimum application temperature 5°C. It is recommended that concrete substrates should not have a moisture content of more than 75% RH.

Health & safety

Ozone Eposcreed and Ozone Epoprime, like similar products, are capable of irritating unprotected sensitive skin, we therefore recommend the use of a suitable barrier cream and the wearing of gloves and goggles.

P.O Box165634 Irving, TX 75038, USA.
Ph: +1 207 2213434 Email: info@ozonecc.com