

Chemlay 10K

Cementitious, high-build, ready-to-mix mortar for underlayment of concrete surface.

Product Description

Chemlay 10k is a high build cementitious underlayment screed mortar for thickness of 5- 15 mm.

Uses

It is mainly used for the restructuring and repair of concrete floors, roads, slabs, dam aprons, and spillways, reinforcement of weakened structures, etc. It can be used for internal and external applications.

Salient Features

- Application from 5- 15mm
- Easy to use. Simply add water to the powder.
- Good weather resistance and high durability
- Long Pot Life
- Good adhesion to old concrete
- Innovative chemistry eliminates the need for water curing.

Product Data

Appearance / colour:	Grey powder
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Storage Conditions/Shelf Life

6 months from date of mfg. If stored properly in undamaged seal packaging, at a temperature between 5 °C- 30 °C. It should be kept in a cool, well-ventilated area, away from water, heat, direct sunlight, sparks, and children.

Mechanical /Physical properties

Properties of chemfast SBR

Property	Test Method	Value and Unit
Mixing Ratio	NA	5.5-6.5 litre water for 1bag of 40 kg of chemlay 10k
Finish	CPI* 1001	Homogeneous and smooth
Pot Life @ 30 °C	CPI 1002	1 hours
Initial set time	CPI 1002	3-4 hours
Hard Dry [Open for foot traffic]	CPI 1002	4 days
Full Cure [Vehicular Movement]	CPI 1002	28 days
Compressive strength	ASTM C109M	>40 Mpa at 28 days
Shelf Life	-	6 months in original unopened Container when stored between 5- 40°C

Method of Application

All Chemsol Products are recommended to be applied only by Approved Applicators and should be used after using proper PPEs like Gloves, mask, goggles, etc.

Substrate Quality

The CDS (clean, dry, sound) test must be conducted. The substrate must be free of all contaminants such as dirt, oil, grease, coatings, and surface treatments, etc. If in doubt, apply a test area first.

Mixing

Mix manually or mechanically a bag of 40 kg of chemlay 10 k with 5.5-6.5 lit of cleanwater until a homogeneous paste is obtained. Let the mixed mortar rest for few minutes

Application of Chemlay 10K

Properly grind the substrate to remove the laitance and loose material, followed by vacuum cleaning. Lightly dampen the floor with water (water should not be accumulated on the surface) and then apply bonding agent Chemfast SBR with a brush or roller. Immediately pour the mixed mortar on the bonding agent till it is still tacky. Level and compact the mortar to the desired thickness with the help of a wooden float or a steel trowel.

Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.

Packing

Chemlay 10k is available in 40 kg bag.

Handling & Safety

Keep the containers tightly sealed when not in use. Avoid skin contact and inhalation of fumes (if any). While spraying, it is advised to wear a mask. If it comes in contact with the body, wash affected parts with plenty of soap and water. In case of persistent irritation, contact a physician.

Disclaimer: The Information provided is based on our experience, thorough investigations & sophisticated testing methods, but due to the vast number of applications and usage methods, Chemsol Polymer Industries cannot accept responsibility of any kind for any particular result. It is the responsibility of the user to verify the suitability of the product for their end use, and in accordance with the rules and regulations of that country /territory. All information provided pertaining to our products should be treated only as a guidance tool without any guarantee or warranty of any sort.

* All CPI test methods are our scientifically designed internal test methods which can be shared upon request.

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