

STRATUM EP750

High build, solvent based epoxy resin floor coating

DESCRIPTION

STRATUM EP750 is a solvent based, two component epoxy floor coating designed to provide an economical floor finish with good abrasion and chemical resistance. It is available in a wide range of colors to provide good aesthetics with an easy clean, non-dusting finish, or anti slip aggregate finish.

USAGES

- Areas subject to medium vehicular traffic, workshops, warehouses, and storage facilities
- Schools and office buildings, restaurants and food factories
- Hospitals, clinic procedure rooms and pharmaceutical
- Wet working areas subject to chemical spillage

ADVANTAGES

- Does not support the growth of mold, fungi or algae
- Ease of application
- Excellent abrasion and chemical resistance
- Low maintenance costs
- Hygienic, impervious and easily cleanable
- Used for both floors and walls
- High bond, stronger than concrete cohesive strength
- Economic installation
- Available in various colors up on request

TECHNICAL DATA

STRATUM EP750	Typical values
Solid Content	58%
Min. Film Thickness	75μ /coat
Min. Dry Film Thickness	50μ /coat
Pot life @35°C	2.5 – 3 hours
Touch Dry @25-35°C (ASTM D2471)	7 – 4 hours
Initial Dry	16 – 24 hours
Full Cure Time @25°C (ASTM D1640)	5 – 7 days
Max. Overcoat Time	1 – 3 days

USAGE INSTRUCTIONS

1. Surface preparation

All substrates shall be sound, clean, free from dust, grease & oil, dirt, the concrete substrates shall be saturated with water prior to application.

Concrete floors should have compressive strength not less than 25 MPa. any old resin floor was applied shall be removed completely using a concrete grinding equipment, any cracks or grooves should be filled using **PIOMORTAR FC** before priming.

2. Priming

Surface must be primed with **PIOPRIME 38** 24 hours prior to application.

STRATUM EP750

PIOPRIME 38

STRATUM EP750

Coverage

9 m²/ liter/200μ

6-8 m²/ liter/75μ

3. Mixing

Stir component A only separately, then the entire content of component B could be poured into the base container, both should be mixed 2-3 minutes using mechanical mixer (drill mixer). Insufficient mixing may lead to color variation.

MIX THE ENTIRE SET, AND DO NOT PARTIAL MIX THE COMPONENTS

STANDARDS

STRATUM EP750 is formulated to comply with all requirements of BS EN476:2009 as class 1 in flame spread.

4. Application

Transfer the mixed material into a suitable container for application, apply material using a short pile roller to achieve the required film thickness, it is recommended to apply two coats within 24 hours.

5. Anti-slip surface application

The first coat shall be dressed by the chosen silica sand (anti-slip grains). The grain can be broadcast in a slight random dressing to provide a less dense finish. After the first coat has reached initial curing time, the excess aggregate should be removed from the surface, then apply the topcoat with medium texture roller, care should be taken to ensure that continuous film is achieved, and all grains are completely covered and coated by it.

6. Curing

Allow **STRATUM EP750** to cure fully for 5-7 days before exposing to full mechanical objects or chemical substances.

7. Cleaning

Clean all tools and application equipment with a suitable thinner immediately after use.

Hardened or cured material can only be removed mechanically.

CHEMICAL RESISTANCE

STRATUM EP750	Concentration
Chlorine	100%
Kerosene	100%
Gasoline	100%
Nitric Acid	60%
Sulphuric Acid	60%
Detergents	100%
Alum	100%
Hydrochloric Acid	60%
Sodium Hydroxide	50%
Soda Solution	100%

PACKAGING

STRATUM EP750 is supplied in 20 liters with set components of A & B.

LIMITATION

Don't apply **STRATUM EP750** if;

- The temperature of the surface is below 5 °C or over 40 °C
- Avoid application if the work area may be subject to the onset of rain or moving water
- Chemical spillages should be cleaned quickly
- Color fading may occur in areas subject to prolonged UV exposure however the performance of the material will not be affected

HEALTH & SAFETY

Before applying **STRATUM EP750**, all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

If **STRATUM EP750** is splashed to skin, it must be washed off by water and soap at once, and if to the eyes seek medical attention immediately.

STORAGE & SHELF LIFE

STRATUM EP750 shall be stored in its sealed container under dry and shaded place in a temperature from 10°C -35 °C, shelf life of the material is 12-months.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
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