

Strongcoat EC173

Solvent based epoxy resin floor coating and sealer



Description

Strongcoat EC173 is a hard wearing, solvent based, epoxy resin coating, designed to provide a hard, semi-gloss sealing to concrete floors.

Applications

Strongcoat EC173 is used as protective, decorative sealer and hard wearing coating for floors in many applications including:

- ▲ Soft drink and beverage production areas.
- ▲ Dairies production areas.
- ▲ Show rooms.
- ▲ Industrial and commercial kitchen walls.
- ▲ Warehouses.
- ▲ Hospitals and pharmaceutical factory walls.
- ▲ Fish and meat processing plant walls.
- ▲ General food processing and manufacturing plants.
- ▲ Light vehicular traffic areas.

Advantages

- ▲ Easy application.
- ▲ Seals the floors completely.
- ▲ Increased resistance to chemical attack.
- ▲ Acts as a barrier to oils, grease, water, etc.
- ▲ Facilitates easy cleaning.
- ▲ Increased abrasion resistance.
- ▲ Cost effective.

Method of Use

Substrate Preparation

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

Concrete floors must have a minimum compressive strength of 25 N/mm² and a maximum concrete relative humidity of 80% (max. moisture content of 4%), relative humidity can be measured using a hygrometer. Concrete relative humidity should be less than 80% for concrete 28 days old or more.

Technical Properties:

Colour:	Pale pink
Specific gravity:	0.9
Working life:	Use within 6 hours of mixing
Curing time:	48 hr
Application temperature:	5 - 40°C

Surface Preparation

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment.

Acid etching can be used only in well ventilated areas. Areas deeply contaminated by oil or grease, such areas should be treated by hot compressed air.

Mixing

To avoid inconsistent workability and pot life, make sure that the materials to be used are stored in shaded area and protected from extremes of temperatures, for at least 24 hours prior to application. Prior to mixing, stir individual components of Resin, Hardener and colour pack of the base.

Add the entire contents of the hardener container to the base and mix thoroughly for at least 3 - 5 minutes.

Coating

Use brush or lambs wool roller, or airless spray machine to apply the mixed Strongcoat EC173 onto the prepared surfaces. Apply 2 coats of Strongcoat EC173, second coat should be applied at a right angle to the first coat.

The second coat may be applied as soon as the first coat has initially dried. Drying time will depend on the substrate and the ambient conditions.

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If the over coating time is exceeded the first coat must be abraded with sand paper prior to the application of the second coat.

Adequate ventilation must be provided to ensure that necessary drying and curing of the material is achieved.

Remarks

- ▲ Higher traffic areas should receive extra coats or a higher build system.
- ▲ Strongcoat EC173 should not be applied at temperatures below 10°C or where ambient relative humidity exceeds 85%.
- ▲ Strongcoat EC173 should not be applied onto surfaces known to suffer from rising dampness.
- ▲ In case of spray applications, airless spray machines should be used.

Cleaning

Tools and equipment can be cleaned with DCP-Solvent. Dried Strongcoat EC173 may be removed mechanically.

Packaging

Strongcoat EC173 is available in 1 and 5 kg packs.

Coverage

On dense surfaces, Strongcoat EC173 will cover 4 - 6 m²/litre for 2 coats. For the first coat, Strongcoat EC173 should be applied at uniform rate of 6 - 8 m² and second coat at 10 - 12 m²/litre.

Storage

Store in a dry area out of direct sunlight at temperatures between 5°C and 35°C.

Shelf Life

Strongcoat EC173 has a shelf life of 12 months from date of manufacture if stored in proper conditions and un-opened packs.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

Strongcoat EC173 should not come in contact with skin and eyes.

In case of accidental splashes to the eyes, rinse thoroughly with clean water and seek medical advice. Suitable protective gloves and goggles should be worn. Do not use solvent to clean Strongcoat EC173 from skin.

For further information refer to the Material Safety Data Sheet.

Fire

Strongcoat EC173 and DCP-Solvent are flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Flash Point:

DCP-Solvent: 37°C.

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- ▲ Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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