415(E)

CONCRETE SEALER

Description:

Chesterton® 415(E) Concrete Sealer is a fast penetrating coating which forms a polymeric seal over surfaces to which it is applied. When used on porous surfaces such as concrete floors, walls, pavement, and structures, it reduces dusting, deterioration and damage due to weathering. Surfaces are left with a tough finish. It is a 1-component special acrylate polymer VOC < 600 g/l, contains Xylene solvent

Resistance	
Mechanical	highly scratch resistant
Thermal	dry heat up to +80°C
Chemical	industrial and marine conditions splash / spillage of: water, salt water diluted acids and alkalis (consult us)

Characteristics:

- excellent adhesion on most surfaces
- silk matt finish

Coverage:

Approx 5-10 m² per litre depending on porosity of the concrete and substrate;
1-2 coat system depending of coating film required

Characteristics:

- splash / spillage of water and salt water
- weather conditions
- dry temperature +80°C
- diluted acids and alkalis (please consult us)
- splash / spillage of lubricants and fuels

Technical Data:

- Mixing ratio n/a 1-component
- Volume solids approx. 35 %
- Viscosity (23°C) approx. 1000 mPa·s ± 200
- Density (23°C) 0.97g/cm³

Details for application:

- Substrate temperature minimum 5°C up to maximum 30°C
- Material temperature 15°C - 25°C
- Maximum relative humidity of air 85 % (minimum +3°C above dew point)

Duration between applications:

- (Should the duration between coats be too soon, curing of the subsequent coat will be affected)
- 5°C: min. 4 hours
- 23°C: min. 2 hours
- 30°C: min. 1 hour
- Curing time / tack-free (5°C / 23°C / 30°C) 4 hours / 2 hours / 1 hour
- Curing time / mech. resistance (5°C / 23°C / 30°C) 14 days / 3 days / 1 day
- Curing time / chem. resistance (5°C / 23°C / 30°C) 14 days / 3 days / 1 day

All above values are approximate and may be used as a guideline for specifications

Surface preparation:

Concrete: Prior to application remove any oil, fat or grease with Chesterton Alkaline cleaner or equivalent. Depending on the condition of the concrete the surface must be repaired with a suitable material. The surface that is to be coated must be in a sound condition and of good quality in general. It must be clean, dry and free of oil, fat and any other contaminants which impair the adhesion. Prior to, during and after surface preparation, application and curing the substrate temperature must be minimum +3°C / 3K above the dew point.

Preparation of material:

The temperature of the product must be at least 15°C. Mix the material using a suitable low speed electric mixer (300 - 400 rpm) for at least 3 minutes or until a homogeneous mixture has been achieved.

Application method:

Airless spray/ brush / roller: (if required dilute with xylene).

The a. m. information are recommendations only and may be adjusted depending on the conditions of the object.

Health and safety:

Please Refer SDS

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