Paco systems
SPECIALIST PAINTS FOR INDUSTRY

CURESEAL

Description

Cureseal is a single pack, solvent borne, Acrylic resin-based curing compound, surface sealer and dust-proofer for concrete.
When applied to freshly placed concrete, Cureseal functions as a curing membrane, reducing any tendency towards drying shrinkage cracks.
At the same time the surface becomes sealed against the ingress of oils and many aqueous chemicals, and a harder wearing floor is produced.
When applied to old/aged concrete floors, Cureseal penetrates into the pore structure thereby sealing and dust-proofing the surface. Having excellent adhesion to concrete, Cureseal allows the application of subsequent paint/coating treatments, thereby minimising surface preparation requirements.

Typical Uses

As a curing/sealing treatment to new concrete and as a sealing/dust-proofing treatment to old concrete, to provide a sealed and dust-proof surface with resistance to the ingress of oil and chemical spillages.
As a primer/sealer for subsequent top coats.
Examples: Industrial workshops, car parks, warehouses, food preparation areas, garages.

Advantages

- Easily applied by brush, roller or spray
- High curing efficiency (>75%)
- Good chemical and abrasion resistance
- Seals and dust-proofs the surface
- Compatible with most subsequent finishes
- Provides easily cleanable floor surface
- Internal and external use
- Resistant to ultra violet radiation
- Single pack -ready to use

Typical Properties

Appearance:	Pale straw coloured liquid with characteristic odour
s.g.:	0.910 g/c.c
20C Drying time:	Tack free @ 2-4 hours Hard dry @ 20-24 hours
Flash point:	28C
Curing efficiency:	>75% (BSDD 147)
Chemical resistance:	Resistant to spillages of dilute mineral acids, caustic alkali solutions, vegetable oils, de-icing salts, etc.

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Paints and Coatings for Industry

PROCEDURE

1) Surface Preparation

a) **Old concrete**
shall be sound and free from oil, grease, laitance and other contaminants. Previously applied paint or curing membrane must be removed. Wash the floor with a detergent solution followed by a clean water wash, and then allow to dry prior to sealer application.
b) **New concrete**
Cureseal may be applied 15 minutes after the final power float or brush finish.

2) Application

a) **Old concrete** Apply a coat of Cureseal by brush, roller, squeegee or spray at a nominal rate of 8-9 Sq.m./Litre. Avoid the formation of puddles of excess material. After a minimum period of 12 hours a second coat shall be applied at a rate of 11 -12 Sq.m./Litre
NOTE: On very porous substrates a third coat may be necessary.

b) **New concrete** Apply Cureseal by spray at a nominal rate of 5 Sq.m./Litre. Ensure that the material is applied evenly and avoid the formation of puddles of excess material on the surface.
In hot and/or windy conditions, a second coat of Cureseal should be applied the following day at a nominal rate of 8-10 Sq.m./Litre

3) Equipment Cleaning Clean all equipment, immediately after use, with Toolclean.

4) Drying/Curing

Cureseal will be tack free in 2-4 hours and hard dry after 20-24 hours in conditions of good ventilation.

5) Packaging 25 Litres

6) Coverage Coverage is very much dependent on the porosity of the substrate.

a) New Concrete:

typical application rate is 5 Sq.m./ Litre (one coat): a second coat is recommended under fast drying ambient conditions.

b) Old Concrete: for smooth, power floated concrete, the typical application rate is:
8-9 Sq.m. I Litre (1st coat)
11-12 Sq.m. / Litre (2nd coat)
i.e. overall rate =4.6 - 5.1 Sq.m. I Litre (two coats)

If a non-slip finish is required, apply only 1 coat of Cureseal at a rate of 5 Sq.m/litre. Textured and tamped finishes reduce the coverage rate achieved.

NB. It is strongly recommended that a small test application be carried out to determine the precise coverage rate for each specific job, prior to any large scale application being started.

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7) Storage and shelf Life

The shelf life of Cureseal is a minimum of 12 months when stored in the original, unopened containers, at temperatures between 10C and 25C, out of direct sunlight. Do not expose to naked flame.

8) Limitations

a) Apply only in well-ventilated areas.
b) Do not apply in areas where foodstuffs are stored during application.
c) Do not apply externally if rain is likely during application.

9) Health and Safety

Cureseal is a flammable material (flash point = 28C). Avoid exposure to naked flame or sources of ignition.
Avoid contact with skin and eyes during application. Provide good ventilation during application and wear suitable organic vapour respirators.

Please refer to Material Safety Data sheet for additional information.
For specific advice regarding any aspect of this product please consult us.

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