

Technical Data Sheet

Crystal Seal Clear Sealer System



DESCRIPTION:

Crystal Seal is a clear, solvent based polymer supplied in a thin, ready to use form to ensure good penetration into the substrate. Crystal Seal possess excellent durability, toughness, water resistance and is non-yellowing. Crystal Seal was also known as *Solvent Sealer*.

PERFORMANCE DATA:

Minimum Application Temperature: Air	+10°C
Maximum Application Relative Humidity: Air	85%
Material Type:	Solvent Based acrylic polymer.
Appearance:	Medium satin to gloss finish depending on the absorbency of the substrate and the amount applied. ****Note**** This does not give a thick Full gloss floor coating. It is a penetrating Sealer giving a thin film finish.
Caution	Maximum of two coats only

SUGGESTED USES

- Primary intention is for sealing Concrete Cobblestone Pavers and concrete floors.
- For sealing fibre-cement wall sheets before coatings or plasters where it functions as a rapid dry penetrating sealer.
- Reduces the incidence of mould growth by reducing moisture ingress into concrete surfaces.
- Application over street/pavement pavers to enhance colour and cleanability.
- Maintenance finish over Nuplex PAVSEEL (apply minimum 6months after Pavseel application.).
- Enhance colour and protect aggregates in concrete pavers.
- Dust control agent for concrete on commercial floors.
- For sealing all concrete surfaces prior to painting.
- Concrete cobblestones, Exposed aggregate.
- Sealer for Architectural Terrazzite and Terrazzo.

LIMITATIONS:

- Application below +10°C.
- Application to green (uncured) concrete. Allow 28 days.
** Will tolerate damp concrete**
- It is not a primary waterproofing product.
- Application to overly damp substrates.
- Application to some types of non-porous ceramic tiles (determine suitability by trial).
- Application to unsound substrates.
- Application to incorrectly prepared surface.
- Contact with strong chemicals
- Application over concrete curing agents, retarders, etc

OPTIONS:

If high build, glossy and hard films are required. We recommend reading of our "Sealers-information – Sealers and Coatings for Concrete".

Diamond Seal: for a higher film build and satin finish.

Revathane: Polyurethane for a glossy, hard, clear, hi-build floor coatings are required.

Terratuff: a hard-wearing, coloured epoxy floor coating.

HEALTH & SAFETY: Refer safety data sheets (SDS).

- Contents are flammable during installation.
- Avoid skin contact.
- Provide adequate ventilation.
- Avoid breathing vapour or fumes.
- Wear safety equipment including clothing and breathing apparatus.

PRODUCT PROPERTIES:

Pot Life	+20°C ~75%RH	1 hour
Touch Dry	+20°C ~75%RH	15 – 30 minutes
Hard Dry	+20°C ~75%RH	24 hours
Recoat time ~ Minimum ~ Maximum	+20°C ~75%RH	30 – 60 minutes 24 hours
Cure Time:	Effectively cured after 48 hrs. Full Cure: 7 days at 20°C	
Thinning	Not recommended	
Clean Up	Solvent HA	
Dangerous Good Class ~ Crystal Seal	Hazard Class 3 Packing Group II	
Packaging	20 litre Metal Pail 200 Litre Drum	
Shelf life	24 months from date of manufacture. (After this period consult with allnex)	

SURFACE PREPARATION:**Concrete:**

Ensure the substrate is clean, dry and free from other coatings, dust, oil and dirt.

Crystal Seal is a thin sealer, any marks left on the substrate / concrete will be even more visible once coated.

Clear sealers accentuate floor marks.

Sand, grind, shot-blast, or acid etch as appropriate.

The selection of floor preparation is important. Untreated, clean dry concrete is suitable for Crystal seal

Ensure the surface is porous and free from any and all previous coatings or concrete additives.

APPLICATION METHOD:

Brush | Roller

Apply from a paint tray without thinning by brush or roller.

Take care to work with a wet edge to avoid roller marks and dry overlaps.

Working out of the wind and out of direct sunlight will ensure the product is slower to dry and will give more working time.

Do not overcoat until hard dry and able to be walked on.

Do not flood coat or allow the product to “puddle”.

Do not pour onto to surface and attempt to spread from there.

COVERAGE RATE:

Approximately 6-8m²/litre per coat.

Two coats required to seal porous substrates.

A maximum of two (2) coats is specified in any and all situations.

Date: Nov 2019

Replaces: Aug 2010

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