

Technical Data Sheet

Diamond Seal Clear Sealer System



DESCRIPTION:

Diamond Seal is a clear, solvent based polymer supplied in a thin, ready to use form to ensure good penetration into the substrate. Diamond Seal possess excellent durability, toughness, water resistance and is non-yellowing. The thixotropic (gel) nature of Diamond Seal ensures a good gloss retention (sealing effect) on the surface.

PERFORMANCE DATA:

Minimum Application Temperature: Air	+10°C
Maximum Application Relative Humidity: Air	85%
Material Type:	Solvent Based acrylic polymer.
Appearance:	Low 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

- 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.
- 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".

Revathane: Polyurethane for where 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 ~ Diamond Seal	Hazard Class 3 Packing Group II	
Packaging	20 litre Metal Pail	
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.

Diamond 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 Diamond Seal

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

APPLICATION METHOD:

Brush | Roller | Squeegee | Foam Pad

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 5m²/litre per coat.

Two coats required to seal porous substrates.

One coat over pre-sealed surface (Take care to ensure compatibility)

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

Date: Dec 2019

Replaces: May 2011

Allnex Construction products, a Division of Allnex New Zealand Ltd

Auckland - 14 Industry Road Penrose phone: 095836544. Hamilton - 18 Somerset Street Frankton phone: 07-847-8658

Wellington - 19A Jamaica Drive Grenada North phone: 04-240-0305. Christchurch - 112 Carlyle Street Sydenham phone: 03-366-6802

Customer Service: 0508-882-288 cs.constructionnz@allnex.com

www.allnexconstruction.com



DISCLAIMER: This information appearing in this Document (**Details**) concerning the product which is the subject of the Document (**Product**) is either based on present technical knowledge and tests done by allnex or tests done by, and data supplied from third parties including you, the customer. Since the actual use by you and by others of the Product is beyond the control of allnex, no warranty or representation, express or implied is made by allnex regarding the suitability for such use, nor does allnex accept any liability arising out of the use by you of other products or materials, whether third party or not, that may be referred to in this Document. allnex recommends that you carry out your own tests as to the suitability of the Product for your purpose, regarding which you accept full responsibility. In addition, if any of the Details appearing in the Document are based upon tests done by, and/or data supplied by any third party, allnex provides no warranties or representations in connection with those Details and you, the customer waives any right you may have against allnex in connection with the accuracy, completeness or otherwise of the Details. The information in this Document is not to be construed as absolutely complete or accurate since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations affecting use of the Product. allnex does not provide any warranty or representation to you that the Product does not infringe the intellectual property rights of any third party. All orders accepted shall be subject to the standard conditions of sale of allnex which are on the back of our invoice. In accepting the Product, you, the customer acknowledge and agree: **a.)** The Product is or may be of a hazardous nature and that you, the customer, are responsible for the disposal of the container housing the Product in accordance with the requirements and regulations of the relevant supervising government. **b.)** The Product has a limited shelf life and must be stored strictly in accordance with the guidelines and specifications related to it. **c.)** Where the Details relate to Product tested by allnex, those Details are indicative only, regarding which there may be batch to batch variation. **d.)** allnex gives no warranty or representation as to the applicability for the particular use by you, the customer, of the Product and you the customer shall be responsible for ensuring that the Product is fit for your intended use. **e.)** allnex's liability for breach of any term, condition, guarantee or warranty (express or implied and concerning the information in this Document or the Product more generally) including any liability for direct or indirect consequential loss (including indirect loss of profits), is limited to the maximum extent permitted by law and, at allnex's election, to either replacing or repairing the goods or paying the cost of replacing or repairing the goods, or in the case of services, supplying the services again.