

Technical Data Sheet



Duraseal - Acrylic Primer

DESCRIPTION:

Duraseal is a waterborne acrylic emulsion suitable for priming concrete and timber surfaces.

RECOMMENDED USES:

- Concrete and concrete block walls as a primer for acrylic coatings.
- Concrete floors - prior to the application of floor levelling compounds.
- Sealing floors prior to the installation of self-adhesive products.
- Part of the Ultratuff Waterproofing System.
- Sealing wooden and particle board flooring.
- Medical sealer.

LIMITATIONS:

- Duraseal is only used under coatings, adhesives or levelling compounds.
- *NOTE WELL: It is not a finished surface floor sealer.*
- Duraseal will **not** stop rising moisture.

Note

If in doubt about potential wet or damp floors, seal with Aquakem (Aquaguard 101) before proceeding.

PERFORMANCE DATA:

Element	Value
Minimum Application Temperature:	~ Air ~ Floor +10°C <i>Never apply adhesive when floor temperature is 5°C or less.</i> +5°C <i>Tack off time will be very slow if floor temperature is 5-10°C</i>
Maximum Application Relative Humidity: Air	+80°C
Flash Point:	NA – Water-based
Adhesion Properties to correctly prepared surface:	~ Concrete ~ Timbers Excellent Excellent
Appearance:	White – Dries Clear
Type:	Waterborne Emulsion
Base:	Acrylic Copolymer
SG kg/litre:	1.0
Colour:	White
Thinning:	Do Not Thin
Coverage:	5 – 6m ² /litre <i>This will depend on floor finish and porosity.</i> <i>Two coats may be required on porous surfaces</i>
Drying Time:	+25°C –50%RH 30 – 60 minutes <i>Dependent upon atmospheric conditions, air movement, air temperature and the porosity of the substrate.</i>
Clean Up:	Water to clean up equipment and hands If dry use warm water and detergent
Dangerous Goods Class:	NA - Waterborne
Packaging:	4 litre bottle 20 litre Pail
Shelf life:	12 months from date of manufacture when stored in an unopened container at 5 – 30°C <i>After this period consult with allnex.</i>

SURFACE PREPARATION :

It is essential that the surfaces to be bonded are dry and clean.

- Floors: All traces of dust and foreign matter must be removed.
- Walls: Water-blast to remove all surface contamination. Allow to dry.

MIXING METHOD:

Shake Duraseal thoroughly before using.

Do not thin.

APPLICATION METHOD:

Roller | Brush | Spray

- Avoid areas of over-lap or build-up during the application of the product.
- If the surface is obviously still porous, apply a second coat.
- Allow to dry before the application of coverings.
- Ensure obvious wetness has completely gone.

INSTALLATION TYPES:

Modern concrete floors generally do not require sealing.

Power floated floors will not benefit from sealing with Duraseal unless being used as a:

- Medical Sealer Solution.
- Sealer for bonding self - adhesive products.

1 - As a Sealer for Wall Coatings

For use as a primer for wall coatings on concrete and masonry.

- Under Acrylic Coatings such as: Flexicote | Flexiglaze.
- *Not for use on Precast Panels – Use Crystal Seal in that application.*

2 - Adhesive Pre-Priming

A prime use of Duraseal is over sanded, weathered particle board prior to the application of adhesives.

The weathering of particle board and subsequent sanding produces a very porous structure.

Sealing prevents adhesive soakage and excessive moisture porosity. The latter effect causes adhesives to set up too quickly.

- *Wooden flooring:* Seal only if very dry and porous.
- *Plywood & MDF:* To reduce porosity and to aid drying time.
- *Concrete:* Use to seal old, porous concrete prior to adhesive application.

3 - Bonding Promoter – Cementitious Levelling Screeds

Bonding promoter of floor levelling compounds to substrates.

One-part self-levelling or trowel screeds generally require a primer to activate the concrete substrate.

- Allow to fully dry immediately prior to the application of levelling compounds.
- Do not allow to pond.
- Duraseal should be laid over as soon as dry and within 24 hours of application.
- If it is laid over wet it will “float” up through the applied screed.

4 - Medical Sealer

Used to seal floors in environments where urine and other liquids may penetrate top coverings (carpet, carpet tiles, PVC tiles and plank).

These soak the substrate leaving lingering odours.

Duraseal is an effective sealer for this purpose.

5 - Sealing of Porous Floors Prior to Bonding Self Adhesive Products

Self - adhesive products need a smooth, clean dust free surface.

Duraseal will provide this.

6 - Bonding Promoter as part of the Ultratuff Waterproofing System

Acts a bonding promoter prior to the application of the Ultratuff Body-coats.

- Allow to fully dry immediately prior to the application of Ultratuff Body-coats.
- Do not allow to pond.
- Duraseal should be laid over as soon as dry and within 24 hours of application.

COVERAGE:

Area of Use	Coverage	Number of Coats
As a Sealer for Wall Coatings – Not for use on Precast Panel	8m ²	1
Adhesive Pre-Priming	5m ²	1
Bonding Promoter for Floor Levelling	6m ²	1
Bonding Promoter for Ultratuff Waterproofing Membrane	7m ²	1
Medical Sealer	5m ²	1
Sealing of Porous Floors Prior to Bonding Self Adhesive Products	5m ²	1

Note

Use two coats on porous surfaces.

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

- Wear appropriate safety equipment and clothing
- Avoid skin contact.

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