



Technical Data Sheet

PRODUCT DESCRIPTION

DEEP BARRIER is an environmentally friendly, non toxic and odourless water based compound. DEEP BARRIER penetrates into the surface of the slab and reacts with the free alkaline in the concrete forming a gel preventing the migration of water out of the slab. DEEP BARRIER is very easy to apply, using a coarse bristled broom, knapsack / pump pack spray or airless spray and does not change the appearance of the slab. DEEP BARRIER is a blueish water based liquid, used mostly for curing and as a moisture barrier for concrete prior to the application of adhesive fixed floor coverings etc.

DEEP BARRIER does not form a surface membrane, it is below the surface, so no adhesive or coating comes into contact with it.

TYPICAL APPLICATIONS

- Residential Buildings
- Supermarkets & Shopping Centres
- Balconies and concrete roof decks
- Warehouses
- Buildings and infrastructure.

TECHNICAL INFORMATION

Vehicle Type : Water based

Viscosity : 2.4

Specific Gravity : 1.1

Drying time : 30 minutes @ 25°C.

Finish : No change to substrate

Colour : Light blue colour - dries clear

Theoretical Coverage : 4 - 4.5m²/litre

Freezing point : -2°C

Boiling Point : 100°C

Abrasion Resistance : Excellent

Bacterial Resistance : Excellent.

Chemical Resistance : Excellent

Heat Resistance : Up to 120°C (dry heat)

Solvent Resistance : Good

Thinning and cleaning : Water

Durability : Excellent

VOC Content : None

Surface Bond : Excellent

LIMITATIONS

- Apply between 5-35°C
- In hot conditions spray or mist the surface with water prior to the application of DEEP BARRIER

METHODS of APPLICATION



MERITS

- Easy, fast and safe to apply.
- Does not leave a membrane that must be ground off prior to applying coatings, adhesives and toppings as required in the Flooring Code.
- Assists in the prevention of efflorescence.
- Can be walked on as soon as the wet look has gone
- Cannot be damaged by tradespersons during construction
- Assists in the adhesion of coatings and adhesives.
- Prevents moss and mildew growth
- Solvent based adhesives/coatings can be applied within 14 days after concrete pour



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APPLICATION DATA

Equipment : Non Atomizing Spray e.g. Use knapsack or backpack, airless spray or coarse bristle broom.

Cleaning : Water

Typical Specification : One coat, however if applied over a concrete block wall or pressed pavers, 2 applications may be required due to the porosity.

SURFACE PREPARATION

All surfaces to be structurally sound and free of contamination. Oil, grease, dirt etc must be removed as this will prohibit penetration.

- The surface of the concrete must not be burnished as this prohibits the penetration of **DEEP BARRIER**. Because **DEEP BARRIER** hardens the concrete burnishing is not required - do not use if the concrete is to be polished as it makes initial grinding difficult.
- If in doubt as to penetration, do a water droplet test. Sprinkle water on the surface of the slab, if the drops are still beaded after 90 seconds there won't be the enough penetration into the concrete.
- Mix / stir thoroughly for at least 2 minutes before use using a mechanical mixer. Do not dilute, ready to use.
- Coverage is approx 4-4.5m² / litre. However the correct application rate is when there is enough applied so that the surface is still wet / glossy looking for approx 10 minutes after application.
- Squeegee or broom around any excess liquid if any is remaining after 30 minutes after application.
- In hot conditions spray or mist the surface with water prior to the application of **DEEP BARRIER**. Apply between 5-35°C
- Apply coatings, adhesives etc 24 hours minimum after applying **DEEP BARRIER**. Use a mechanical sander / grinder as used in standard surface preparation methods to remove any loose material before applying coatings or adhesives.
- Remove immediately any overspray on glass or aluminium by using clean water as **DEEP BARRIER** will etch the surface.

CLEAN UP

Clean all equipment after use with water. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed

time, including delays.

PACKING & STORAGE

Packing : Available in 5, 10 or 20L pails. For availability of other sizes, contact **Integra Industries**.

Storage : 12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.

HEALTH AND SAFETY

All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for **DEEP BARRIER**. Users should familiarise themselves with all the safety accepts of the product prior to usage.

Please ensure the current Technical Data Sheet is consulted prior to specification or application of **DEEP BARRIER**. If the surface intended to be treated differs from the specification, please consult the **Integra Industries** Technical team on 1800 500 803.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER Since the use and application of this product is beyond our control we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. For additional information, phone our Customer Service Centre on **1800 500 803**.

MAY 2013 - THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED.