



BONDBREAKER

BONDBREAKER (Tilt-Up Slab Release Agent)

DESCRIPTION

BONDBREAKER is a complex blend of solvents and naturally occurring long chain aliphatic acids, which form a gel when reacted with damp fresh concrete.

BONDBREAKER should be applied by low-pressure knapsack spray directly onto the surface, which forms the base mould, at the low-sheen stage of drying.

If application at this time is not practical, the concrete should be hosed down with water, so a small amount of ponding occurs, then BONDBREAKER applied at least 12 hours prior to pouring.

This delay allows the carrier solvent to evaporate, leaving the reactive components available for the bond breaker reaction.

BONDBREAKER contains no petroleum waxes, mineral oils, or resins, which will cause decorative coating problems when finishing the job.

Tilt-up slabs treated with BONDBREAKER can be overcoated with conventional coatings designed for concrete masonry, after suitable preparation, including precleaning with a **ALKALINE STEAM DEGREASER**, a **CHEMICAL HOUSE PRODUCT** or left a suitable time 12 weeks to allow weathering and barrier breakdown.

The solvents in BOND BREAKER have been deliberately selected to reduce the likelihood of damage to polystyrene inserts.

DIRECTIONS

Apply using a low-pressure spray, (no air dilution at the tip) using techniques which ensure no pin holes in the coating- (east-west, followed by north-south application directions).

Then allow to dry, until pour.

Never apply immediately prior to pour, as the gel will not develop to full strength and poor bond breaking may occur. Never apply to a dry slab. Always pre-wet.

BONDBREAKER (new slab)

- ✓ Always apply to a damp, (not wet) slab as this keeps the BONDBREAKER on the surface where it does the job. If the slab has dried off more and surface is no longer “green” but gray, then dampen the slab with clean water (not too much).
- ✓ Always pre-measure the size of the slab i.e., is it 2m²? For the amount of BONDBREAKER necessary to give the BEST result see the table below:

SLAB	BONDBREAKER	SLAB	BONDBREAKER
1 m ²	100-200ml	7 m ²	700ml-1.4Litres
2 m ²	200-400ml	10 m ²	1-2Litres
3 m ²	300ml-600ml	12 m ²	1.2-2.4Litres
4 m ²	400ml-800ml	15 m ²	1.5-3.0Litres
5 m ²	500ml-1Litre	20 m ²	2L-4Litres

These figures are the TOTAL use (not per coat use)

- ✓ Always use a MINIMUM of 2 coats east-west, followed by north-south application directions (i.e., at right angles to the 1st coat) – this technique eliminated ‘misses’.
- ✗ Never use a spray gun, use an airless spray system (air dilution at the tip gives false appearance of coverage of area).
- ✗ Never apply immediately prior to pour, as the gel will not develop to full strength and poor bond breaking may occur.
- ✗ Never apply to a dry slab – always rewet with a water fog or spray
- ✗ Never over-apply refer to application table

If light or white spots appear within 20-40 minutes after spraying, those areas are extra porous and should be fogged with water and resprayed with BONDBREAKER.

Due to slab variables such as mix designs and slab porosity, actual coverage rate can only be determined by the presence of a soap-like feel over the entire slab.



BONDBREAKER

COVERAGE

Apply at a rate of 5-10m²/L

CLEAN UP

Mineral Turps

STORAGE

Classified as a dangerous substance for purpose of transport, (Class3). Not to be loaded with dangerous when wet substances (Class 4.3), Oxidising Agents (Class 5), Class 8 or Foodstuffs. Store in area approved for storing dangerous goods.

Prohibit naked lights, smoking and switch of electrical equipment likely to emit sparks. (Electric motors, refrigerators etc.) Keep containers cool and closed.

SAFETY

BONDBREAKER is a Class 3 flammable liquid.

Please ensure you have read the Material Safety Data Sheet, before using on the job.

PACKS

20L, 200L

BONDBREAKER - PDS MARCH 2021

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Chemical House does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether in accordance with any advice, specification, recommendation, or information given by it.

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