

CHEMICAL HOUSE®

PTY LTD

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PO BOX 595 ASHMORE CITY, QLD. 4214

"from our house to yours"®

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PRODUCT:

BOND BREAKER (Tilt-Up Slab Release Agent)

DESCRIPTION:

BOND BREAKER is a complex blend of solvents and naturally occurring long chain aliphatic acids, which form a gel when reacted with damp fresh concrete. **BOND BREAKER** 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 **BOND BREAKER** 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. **BOND BREAKER** contains no petroleum waxes, mineral oils or resins, which will cause decorative coating problems when finishing the job. Tilt-up slabs treated with **BOND BREAKER** 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 FOR USE :

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. SEE NOTES BELOW

BONDBREAKER on a 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 Size	Bondbreaker required	Slab Size	Bondbreaker required
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

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Coverage

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.

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

BOND BREAKER is a Class 3 flammable liquid. Please ensure you have read the Material Safety Data Sheet, before using on the job.

PACKS:

20L, 200L

Ref: Bondbk2_pds_nv

Date: February 09

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