

# *IN & OUT*™

## Concrete Release Agent Concentrate

*IN & OUT*™ water based concrete release agent concentrate was developed as an economical casting aid for releasing concrete from a variety of form surfaces including Smooth-On polyurethane rubbers. *IN & OUT*™ provides a clean positive release and does not interfere with or affect surface detail.

### *Simplify Your Production Casting Of Concrete With IN & OUT™*

- Environmentally Compliant
- Works On A Variety Of Surfaces - Polyurethane Rubber, Wood, Steel, Fiberglass, Aluminum, Plastic.
- Will Not Stain, Damage Or Soften Concrete Surfaces.
- Extends Mold Life
- Keeps Forms Clean - Does Not Build Up
- Contains Bactericide To Minimize Odors

### *Directions*

*IN & OUT*™ is mixed with water. The recommended dilution ratio is One Part *IN & OUT*™ to Eight Parts Water (1 : 8). Mixing can be done by hand or slow speed mixer. Do not shake or agitate as this may cause product to foam.

How you dilute *IN & OUT*™ (amount mixed with water, coverage and frequency of application) will depend on the concrete aggregate mix and the form material you are casting into. For example, when casting concrete with a low grit/high sand content (minimal abrasion) into a polyurethane mold, the mix ratio of *IN & OUT*™ to water can be 1 : 8.

Mix only amount needed for one day. Mixture may separate after 24 hours. Re-mix to a uniform consistency and apply.

**Application** – Apply *IN & OUT*™ thoroughly with brush, roller or spray each time prior to casting concrete. Do not allow release agent to puddle. Spraying pressure should be 25 psi (172 kPa) or higher. For uniform spray applications of release agent, flat spray tips are suggested.

**Caution: Do Not Over Apply.** Applying too much release agent will cause “wormtracks”, “bugholes” or pitting on casting surface. If you experience this, dilute *IN & OUT*™ further by adding more water. Concrete can be cast immediately or several hours following application of release agent.

*More Information On Reverse Side . . . .*

*Rates Of Coverage* - When mixed with water in a ratio of 1 gallon *In & Out*<sup>tm</sup> to 8 Parts water, the coverage is: 9,000 sq. ft. (836.1 m<sup>2</sup>) on polyurethane, silicone, metal or plastic forms; 4,500 sq. ft. (418.1 m<sup>2</sup>) on treated wooden forms.

**Quality Standards Of Compliance:** *IN & OUT*<sup>tm</sup> meets U.S. Army Corps Of Engineers CE-204, Section 7.10, Section 3-03-K and CE 1401.1, Section 17.4. Meets California SCAQMD Rule 1113-90 for VOC regulations.