# POWDER RELEASE AGENT
## Colour release agent for decorative concrete floors.

### DESCRIPTION

Poweder Release Agent is ready to use, streak free and powder formulated to be easily applied onto the surface of colored or plain concrete.

IDEAL WORK Poweder Release Agent is broadcast over the surface of freshly placed coloured-concrete floors, before imprinting with stamps or other texturing tools or rollers. It forms a bond-breaking barrier that helps prevent the tools from sticking to the fresh concrete and marring its fragile surface.

During the process, a portion of the coloured antiquing release becomes embedded in the surface, where it is trapped by the hardening concrete. When the surface is subsequently washed and sealed, an attractive, variegated, mottled, and antiqued appearance is obtained, with colors ranging from that of the underlying concrete to that of the antiquing release, with mixtures of the two most likely.

Poweder Release Agent is a finely powdered material produced by a proprietary manufacturing and inter-grinding process. Poweder Release Agent are light and fast, blended with high-speed dispersing equipment, and are element resistant and free from any fillers or extenders. The colouring agents are lime-proof and have maximum resistance to the effects of sunlight (UV).

### PROPERTIES

□ Easy application

□ Streak free, non fading

□ Prevents concrete build up on tools

□ Moisture resistant

### SUB-BASE PREPARATION

The sub-base should be well drained and have adequate and uniform load bearing characteristics. To reduce the likelihood of cracking, the sub-base must be graded to ensure an even thickness of concrete. At the time of concrete placement, the sub-base must be moist but have no standing water and should be well consolidated and frost-free. If necessary, the sub-base should be dampened with water in advance of concreting, to avoid uneven suction and premature drying out of the underside of the slab.

### CONCRETE MIX DESIGN

The concrete shall contain a minimum of 350 Kg of cement per $m^3$. All fine and course aggregates must be non-reactive and free of deleterious particles. The water content should be the minimum practical and the maximum slump should not exceed 100mm. All concrete should be batched by the same plant where possible and cement should come from a single source from start to completion of the area being concreted. Where the slab will be subject to freeze/thaw situations an air entrainment agent is recommended, in a dose recommended by the manufacturer.

CAUTION: CALCIUM CHLORIDE AND/OR CALCIUM CHLORIDE BASED PRODUCTS MUST NEVER BE USED WITH OR IN COLOURED CONCRETE. In cooler weather a non-chloride accelerator may be used.

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## APPLICATION

Powder release agent is specially formulated for use with stamped concrete. We recommend it is used in conjunction with IDEAL WORK Colour Hardener, and Ideal Sealer.

Immediately prior to imprinting, Powder release agent should be hand-broadcast evenly across the surface by the dry-shake method, normally in one broadcasting operation (shake). Imprinting is now possible.

After the concrete has achieved an initial set, as soon as the next day in hot climates and as long as ten days in cold climates, the release agent may be removed by pressure rinsing with a high power pressure rinser (hydrocleaner) and cleaner.

Care should be taken not to remove all Powder release agents from the concrete, especially from grout lines and deeper indentations.

Powder release agent should be periodically cleaned from the stamp mats with PULISTAMP, a professional and specific cleaner, to prevent any possible build up. A good hand cleaner will properly remove the Powder release agent from hands.

## LIMITATIONS

Ideal Work Powder release agent should not be used as the primary colouring method. It should only be used as the secondary colour to antique the Colour Surface Hardener.

## COLOURS

IDEAL WORK Colour Release Agent is available in 17 standard colours, shown on IDEAL WORK's colour chart. Our laboratories may formulate custom colours but minimum volume limitations may apply. Please ask for further information if these are required.

## COVERAGE

Ideal Work Powder release agent has an average coverage rate of 13,6 Kg (1 bucket) per 100m² .

## PACKAGING

Ideal Work Powder Release Agent is packaged in convenient 13,6 Kg moisture resistant buckets. This type of packaging makes storage and transportation quicker and cleaner with little or no damage to the product.

## STORAGE

Ideal Work Powder Release Agent should be kept in a safe place and the seal should not be broken until use. Shelf life is approximately 24 months.

## WARRANTY

Ideal Work Powder release agent  is not intended for public use, it is intended for use by experienced and trained concrete contractors.  When used to the manufacturers guidelines, you should expect a uniformed colour.  Ideal Work has no control over the use of materials in the field.  If there is a failure within our manufacturing tolerances, Ideal Work will only be responsible for the cost or the replacement of the materials proven to be defective.

The end user shall be responsible for determining product suitable and assumes all risk and liability.

## SUGGESTIONS AND WARNINGS

Please read data sheets of the products COLOUR HARDENER, IDEAL SEALER, LIQUID RELEASE AGENT before use.

IMPORTANT:
All information contained in this data-sheet is based on the best practical and laboratory expertise. The customer is responsible for checking the product is suitable for use. The producer does not accept any responsibility arising from wrong applications. We recommend testing the products on small surfaces before use. This data-sheet replaces and annuls the previous ones. Data might be changed anytime. We also remind you that Ideal Work products are for professional use and Ideal Work provides customers with training opportunities upon request. Whoever uses these products without authorisation, shall take full personal responsibility and at their own risk.
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