

## ARCHIBETON<sup>®</sup>

**Multifunction liquid admixtures for colour-conditioned concrete.**

### DESCRIPTION

ARCHIBETON is special designed admixture. It represents a new generation of admixture for decorative concrete and it combines the following properties:

- Admixtures for Colour-Conditioned Concrete
- Superplasticiser for concrete
- Admixture for self-compacting concrete

ARCHIBETON Admixtures for Colour-Conditioned Concrete provide permanent, fade-resistant, uniform, and streak-free integral colour-conditioning for all types of concrete projects, from floors and hardscapes to cast-in-place or precast walls.

Producing concrete that is structurally superior as well as being both beautiful and cost effective, ARCHIBETON not only colours concrete, but increases its strength at all stages, controls the set time, and improves the freeze/thaw resistance.

Superior workability and finishing characteristics are achieved and colour bleeding, laitance and efflorescence are reduced. It also reduces segregations and irregularities in the concrete surface very efficiently. As a result ARCHIBETON is a key product in a concrete surface to enable consistent quality.

### FIELDS OF APPLICATION

ARCHIBETON can be used for coloured exposed aggregate, architectural concrete, Terrazzo with sand- or shot-blasted surface, acid-etched or similar surface texture, polished and bush-hammered surfaces or even smooth or structured architectural concrete surfaces.

### PROPERTIES

- Integral coloured concrete.
- Better guarantees on the work durability, thanks to a lesser porosity.
- Reduction in the likelihood of segregation, meaning the separation between crills and bigger parts of the mix.
- Reduction in water bleeding, gravel nests, etc.
- The use of a liquid admixture instead of a powder ensures a better dispersal of the cement paste, resulting in a higher efficiency compared to conventional systems.
- The possibility to easily achieve difficult architectural and structural elements, characterized by very slim sections and/or having highly thick frames.
- Excellent fair-faced concrete structures.
- An increase in the resistance of frost/thaw cycles, abrasions, cracks and shocks.
- Facilitate processing
- Reduction of efflorescence.

## COLOURS

ARCHIBETON is available in 4 different colours:

- GRAY - gray cement
- YELLOW - antique yellow
- DESERT TAN - brown
- TERRACOTTA - terracotta

## CONSUMPTION

ARCHIBETON is sold in approximately 10 kg plastic buckets. This is the perfect dose for 1 m<sup>3</sup> of concrete with 325-360 kg of cement per m<sup>3</sup>.

It is recommended to not under or over dose the product.

It is also really important to avoid to change the the quantity and the quality of the cement,

IMPORTANT: ARCHIBETON is not compatible with others admixtures for concrete. Do not use ARCHIBETON in concrete with other admixtures.

## APPLICATION

ARCHIBETON is added into the wet mix after the mixing water has been added. Water\Cement ratio should be no more than 0.40, suggested slump 50 - 90 mm. For a better mix, the concrete truck should not be 100% full.

It is recommended to have a maximum of 80% of the capacity. Example: 8 m<sup>3</sup> truck, load maximum 6 m<sup>3</sup> of concrete.

Mix ARCHIBETON for at least 1 minute inside the bucket. Empty the product into the concrete truck. Mix with concrete for at least 3-5 minutes at high speed. The surface can then be finished to your preference.

For an "exposed aggregates" finish, apply Ideal Work DEACTIVATOR on the fresh concrete. Wash within 8-24 hours depending on the temperature and the desired finish.

## COMPLEMENTARY PRODUCTS

- Deactivator Ideal Work
- IW-EC
- Cement-Scud Gel - Surfaces protector

Read the products data sheets before use.

## PACKAGING AND STORAGE

The product is sold in plastic buckets approximately 10 kg.

Protect against pollution, direct sunshine and freezing. Shelf life is under normal storage condition (closed container, 20 °C) approx. 12 months.

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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