

Cemairin® Block WIN

High performance admixture and compaction aid for semi-dry/no slump concrete



DESCRIPTION

Cemairin Block WIN is an acrylic-water dispersion, specially designed for semi-dry/ no slump concrete, it increases the water content in the concrete mix aiding in the compaction and preserving its quality over time.

The better compaction achieved by Cemairin Block WIN increases the compressive strength of concrete blocks and pavers, reduces water absorption and improves the surface quality of the finished products.

APPLICATIONS

Increases the amount of water in the initial stage, which allows better hydration of the cement.

Improves mechanical characteristics and the final appearance of the finished product. Aid concrete products in retaining their shape and strength. The use of Cemairin Block WIN in semi-dry concrete increases mechanical properties by 10%.

Cemairin Block WIN is specially designed for concrete products associated with instant de-molding such as:

- » Block paving (grey/colored).
- » Concrete Pavers.
- » Curb stones.
- » Concrete pipes.
- » Semi-dry pressed & hollow core slabs.

ADVANTAGES

- » Improves the appearance of concrete products.
- » Increases the water content.
- » Improves the hydration of the cement.
- » Increases the mechanical characteristics of the finished products.
- » Optimized compaction with shorter pressing time.
- » Reduces the amount of cement.
- » Increases the resistance of finished products to freeze-thaw cycles.
- » Reduces production costs.
- » Minimizes friction between the mold and concrete (reduction in equipment wear and tear).
- » Reduced stickiness between top concrete layer and pressing head.

METHOD OF USE

Cemairin Block WIN can be added to the concrete with the mixing water or introduced at the end of the mixing process.

TECHNICAL PROPERTIES:

Color:	White, low viscosity liquid
Specific gravity:	1.06 ± 0.03
Chloride content:	< 0.01%
Alkali content:	< 0.5%
VOC:	Water based product, contains no solvents

LIMITATIONS

Cemairin Block WIN must not be used for wet cast concrete as this could result in excessive air entrainment and subsequent loss of strength. Before use suitability tests must be performed.

DOSAGE

The dosage of Cemairin Block WIN is defined as a percentage from the mass of cement in the concrete. The recommended amount is between 0.1% and 0.6% of cement weight.

PACKAGING

Cemairin Block WIN is available in 5 gal (19 litre) containers as well as 275 gal (1,041 litre) IBC totes. Bulk supply in tanker trucks is also available upon request.

STORAGE

Cemairin Block WIN should be stored under cover at a minimum ambient temperature of 41°F (5°C).

SHELF LIFE

Cemairin Block WIN has a minimum shelf life of 12 months from date of manufacture if stored in good conditions and sealed drums.

If these conditions are exceeded, contact DCP Technical Department for advice.



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CAUTIONS

HEALTH AND SAFETY

Cemairin Block WIN is not classified as hazardous material.

Cemairin Block WIN should not come into contact with skin and eyes.

Wear protective clothing when handling the product, as well as hand and face protection.

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

For further information, refer to the Material Safety Data Sheet.

FIRE

Cemairin Block WIN is nonflammable.

WARRANTY

Unless expressly stated otherwise in the Sales Documents, the Limited Warranty shall expire on the expiry date listed on the Product's label or packaging. The full text of DCP's limited warranty is found in DCP's standard terms and conditions of sale (the "Terms"), which are available at [DCP Website/USA – Terms & Conditions](#). DCP's limited warranty is in all cases subject to, and conditioned upon, the Terms.

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A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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