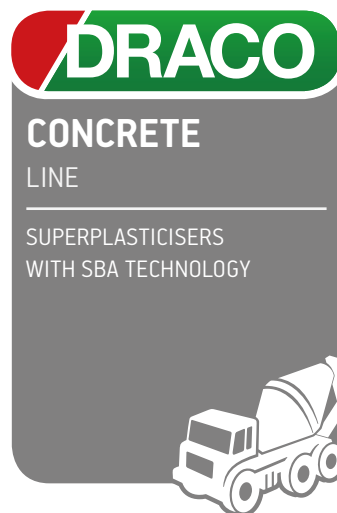


# DRACRIL SAND BLOCKER

NEW GENERATION POLYCARBOXYLATE SUPERPLASTICISER

*With SBA (Sand Blocker Admixtures) technology*



**DRACRIL SAND BLOCKER** is a state-of-the-art superplasticiser specially formulated to produce ready-mix concrete using “difficult sands” that contain clay or a high percentage of fine particles.

**DRACRIL SAND BLOCKER** contains new generation synthetic polymers with Sand Blocker Admixtures (SBA). This technology makes it possible to prepare very high performance concrete with very low water/cement ratio and excellent rheology properties even in case of complex sand.

## ADVANTAGES

**DRACRIL SAND BLOCKER has the following advantages:**

- ✓ The possibility to prepare high performance concrete even in case of complex sand containing clay or a high percentage of fine particles, or recycled aggregates.
- ✓ The possibility to produce concrete with very low W/C ratio (0.4) and S5 slump class, thus increasing durability.
- ✓ The possibility to maintain consistency for over one hour.
- ✓ The possibility to produce very durable concrete resistant to aggressive attack.
- ✓ Reduced entrapment of air macro bubbles ensures better surface finish.
- ✓ No segregation or bleeding; improved uniformity and cohesion.
- ✓ Improved quality of “exposed” concrete, concrete/iron adhesion, and resistance to abrasion.
- ✓ Reduced creep and shrinkage; improved adhesion to rebars.



## USES

**Due to its characteristics, DRACRIL SAND BLOCKER is ideal for the production of:**

- ✓ concrete produced with “difficult sand” or recycled aggregates;
- ✓ high strength, high performance and durable ready-mix concrete;
- ✓ concrete subject to long transportation times;
- ✓ concrete reinforced with FIBERMIX steel fibres;
- ✓ ready-mix pumpable concrete.

## COMPATIBILITY

**DRACRIL SAND BLOCKER** is compatible with all cement types and classes. If concrete particularly resistant to freeze-thaw cycles, i.e. with high durability, is required, it is recommended to combine it with air entrainer AERBETON.

## DOSAGE AND USE

**DRACRIL SAND BLOCKER** is added to the mix at the ideal dosage of 0.5 to 1.2 kg per 100 kg of cement. The said dosage can be exceeded for special requirements; please contact the technical department of **DRACO Italiana SpA**.

**DRACRIL SAND BLOCKER** must be added in the concrete mixer or, ideally, in the mixer, with mixing water. Best performance is obtained by adding **DRACRIL SAND BLOCKER** to already wet concrete with at least 80% of the mix water content.

Do not pour **DRACRIL SAND BLOCKER** on dry aggregates and cement as this would reduce performance due to absorption of some admixture by the aggregates. Special volumetric dosing devices are available for correct dosing.

## WARNINGS

It is recommended to wear protective gloves and goggles and take usual precautions when handling and using chemicals. See safety data sheet for further information.

## PACKAGING AND STORAGE

**DRACRIL SAND BLOCKER** is supplied in:

- 20 kg can
- 200 kg drum
- 1000 kg tank
- Bulk in tanker

If **DRACRIL SAND BLOCKER** is exposed to temperatures below 5°C, heat it up and stir before use. Stored properly in unopened original container, the product maintains its properties for 12 months.



## CONCRETE CURING

It is recommended to protect freshly cast concrete from rapid evaporation, especially in dry and windy climate, with suitable measures. For best results, we recommend the use of our product PROBETON CURING N.

## PRODUCT CHARACTERISTICS

APPEARANCE	Liquid
COLOUR	Amber
MASS PER UNIT VOLUME - ISO 758	Approx. $1.07 \pm 0.02$ kg/l at +20°C
pH - ISO 4316	$6 \pm 1$
CLASSIFICATION - UNI EN 934-2	High range water-reducing admixture/ superplasticiser (T 3.1/3.2)
WATER SOLUBLE CHLORIDE CONTENT - EN 480-10	Max. 0.1% by weight of cement
ALKALI CONTENT (Na <sub>2</sub> O equivalent) - EN 480-12	Max. 2% by weight of cement

### Legal notes - SLCMP version of 01.03.2017

Draco Italiana s.p.a. has adopted the parameters indicated in this data sheet and the related standards for the calculation of the values and technical data contained herein. Customers shall verify that this data sheet and the values indicated herein apply to their product batch and have not been superseded by later editions. If in doubt, verify that the sheet corresponds to the one available on the website [www.draco-edilizia.it](http://www.draco-edilizia.it) at the time the sales contract was executed and/or by previously contacting the Technical Department.

Any suggestions on the use of the Products provided by our personnel either orally or in writing upon the Customer's request do not constitute additional obligations to the purchase contract and do not imply a contractual obligation for the company. They are based on our experience and limited to the current state of practical and/or scientific knowledge. They are not binding for the client or for the installer. It is the Customer's responsibility to test our products and verify they are suitable for the type of application and use envisaged.