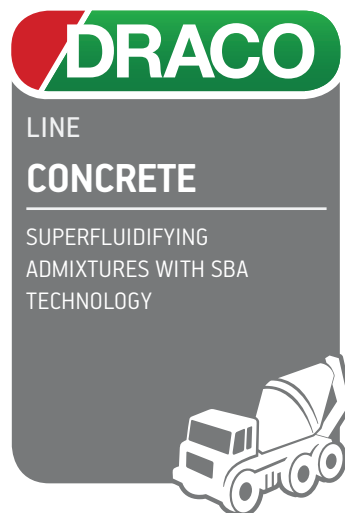


# DRACRIL SAND BLOCKER R

## STATE-OF-THE-ART POLYCARBOXYLIC SUPERFLUIDIFYING ADMIXTURES

*With SBA (Sand Blocker Admixtures) technology for summer climates*



**DRACRIL SAND BLOCKER R** is a latest-generation superfluidifying admixture specifically formulated for the production of concretes in hot climates and made using 'difficult sands' (containing clay or a high content of fine parts).

**DRACRIL SAND BLOCKER R** contains new-generation synthesis polymers with SBA (Sand Blocker Admixtures) technology that enables the production of very high-performance concretes characterised by a very low water-cement ratio and excellent rheological properties even in the presence of complex sands and summer climates.

### ADVANTAGES

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

- ✓ It allows high-performance concretes to be produced even in the presence of complex sands (containing clay or a high fines content) or recycled aggregates.
- ✓ It enables the production of concretes with a very low W/C ratio of 0.4 and an S5 superfluid consistency which increases their durability.
- ✓ It retains consistency for over an hour, depending on the A/C ratio and type of cement, even when hot temperatures or long transport times are involved.
- ✓ The production of highly durable concretes that are resistant to attack by aggressive agents.
- ✓ Improved surface finish due to reduced incorporation of macro-bubbles.
- ✓ It eliminates the problem of segregation and bleeding, increasing homogeneity and cohesion.
- ✓ It improves the quality of 'fair-faced' concrete and concrete/iron adhesion, and increases the abrasion resistance of the concrete mix.
- ✓ It reduces viscous creep and hygrometric shrinkage and increases adhesion to reinforcement bars.



### AREAS OF APPLICATION

**Due to its characteristics, DRACRIL SAND BLOCKER R is particularly suitable for the production of:**

- ✓ Concrete made from 'hard sands' or recycled aggregates.
- ✓ High-strength ready-mixed concretes with high performance and durability.
- ✓ Ready-mixed concretes even in the case of hot climates or transport over long distances.
- ✓ Pumpable ready-mixed concretes.

## COMPATIBILITY

**DRACRIL SAND BLOCKER R** is compatible with all types and classes of cement. Combination with the aerating product AERBETON is recommended when a concrete particularly resistant to freeze-thaw cycles, i.e. with high durability, is required.

## DOSAGE AND METHOD OF USE

**DRACRIL SAND BLOCKER R** is added to the mixture at the ideal dosage of 0.5 to 1.2 kg per 100 kg of cement. The indicated dosage can be exceeded for special requirements, in which case contact the Technical Office of **DRACO Italiana SpA**.

**DRACRIL SAND BLOCKER R** must be mixed with water in a concrete mixer or preferably in the mixing machine. The best performance is achieved by adding **DRACRIL SAND BLOCKER R** to already wet concrete with at least approx. 80% of the mixture's water requirement.

**DRACRIL SAND BLOCKER R** should not be poured on dry aggregates and cement as this would reduce performance due to absorption of part of the admixture from the aggregates. Special volumetric dispensers are available for correct dosing.

## WARNINGS

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

## PACKAGING AND STORAGE

**DRACRIL SAND BLOCKER R** is supplied in:

- 20 kg canister
- 200 kg drum
- 1000 kg cistern
- Bulk in tanker

**DRACRIL SAND BLOCKER R** must, if exposed to temperatures below 5°C, be heated and remixed before use. In the original packaging and properly stored, the product maintains its characteristics for one year.



## CURING THE CONCRETE

IT IS good practice to protect concrete after casting from rapid evaporation, especially in dry and windy climates. To ensure optimal results, we recommend our PROBETON CURING N.

## PRODUCT FEATURES

|  |   |
|--|---|
| APPEARANCE   | Liquid  |
| COLOUR   | Amber   |
| DENSITY - UNI EN ISO 758                                 | 1.06 ± 0.02 kg/l approx. at +20°C   |
| pH - ISO 4316  | 6±1   |
| CLASSIFICATION - UNI EN 934-2                            | Highly effective water-reducing/superfluidifying concrete admixture (T 3.1/3.2) |
| WATER-SOLUBLE CHLORIDES - EN 480-10                      | Max. 0.1% by mass   |
| ALKALI CONTENT(Na <sub>2</sub> O equivalent) - EN 480-12 | Max. 2% by mass   |

### Legal notes – SLCMP version of 01.03.2017

For the values and technical data in this Data Sheet, Draco Italiana s.p.a. adopts the parameters shown in the Data Sheet with the relative standards of reference.

The Customer is required to verify that this sheet and the values shown are valid for the product batch of interest and are not exceeded when replaced by subsequent editions. For any doubts, compare the technical data sheet with the one in force at the time the sales contract was completed on the website [www.draco-edilizia.it](http://www.draco-edilizia.it), and/or contact the Technical Office. No advice relating to the use of the Products provided by our personnel in verbal or written form at the Customer's request constitutes an ancillary obligation of the purchase contract, and cannot in any way represent a contractual service. It is based on our experience and limited to the current state of practical and/or scientific knowledge; it is therefore not binding for the customer or the applier. In particular, the Customer is required to test our products to check their suitability with respect to the type of application and intended use, and remains solely responsible for the choices made.