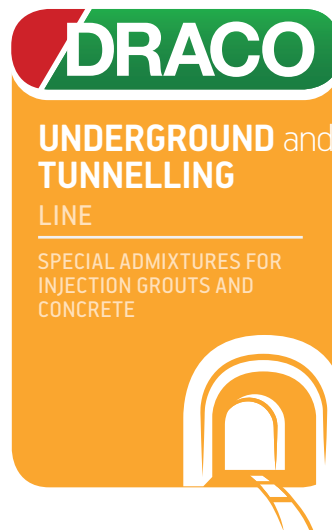


DRACRIL 800

DISPERSING ADMIXTURE FOR BINARY AND TERNARY CEMENTITIOUS MIXTURES AND ULTRA-FINE HYDRAULIC BINDERS . CHLORIDE-FREE.



DRACRIL 800 is a blend of high molecular weight, water-soluble synthetic polymers specially formulated to interact with fine and superfine powders like cement, microcement, bentonite mixture and ultra-fine hydraulic binders. It ensures very good dispersion of superfine elements in the presence of water and also acts as deflocculating agent. The molecular weight distribution gives the mixture pseudoplastic rheological behaviour, ensuring fluidity and higher resistance to solid/liquid separation and washout at the injection face.

ADVANTAGES

DRACRIL 800 makes it possible to obtain fluid and homogeneous mixtures with low water/binder ratio, but featuring pseudoplastic rheological behaviour, extended workability and mixture injectability with reduced settling in the pipes, even at tropical temperatures, thus ensuring:

- ✓ **Very high workability (fluidity)**
- ✓ **Improved penetration at low operating pressure**
- ✓ **Significant reduction in bleeding**
- ✓ **Low permeability and saturation of the permeated material even in case of water infiltration**
- ✓ **Higher initial and final mechanical strength with the same fluidity**
- ✓ **Longer mixture durability**
- ✓ **Reduced cracking due to homogeneous cementitious mixture**
- ✓ **With a W/R ratio < 0.8 there is no need for bentonite and activation plants, while maintaining exudation stability and much lower site management costs.**



USES

DRACRIL 800 is normally used when very high fluidity is required, as well as the injection of binary and ternary mixtures even with low water/binder ratio and sedimentation control. The mixtures produced can be used for:

- ✓ consolidation and waterproofing injections in soils and rocks up to a coefficient of permeability K of 10^{-3} cm/s (for lower coefficients of permeability according to Darcy's equation, use DRACOGEL GT2 or DRACOSOIL);
- ✓ waterproofing and consolidation injections in reinforced concrete structures and cracked rocks, porous soils, filling of tunnel extrados and collapsed cavities;
- ✓ injection of tie-backs even at great depth and in the presence of water;
- ✓ protection injection in pre-tensioned/post-tensioned tendons.

PREPARATION AND APPLICATION

Some preliminary tests should be conducted to define the right dosage of admixture **DRACRIL 800**. Excellent results are usually achieved with a dosage from 0.5% to 2% in weight of total solids. As a general rule, the lower the water/solids ratio, the higher the product dosage will be.

PACKAGING AND STORAGE

DRACRIL 800 is available in:

- kg 20 kg cans
- 200 kg drums
- 1000 kg tanks
- Bulk in tanker

If stored properly in its original packaging in a closed, cool place, the product will maintain its properties for one year.



TECHNICAL CHARACTERISTICS

APPEARANCE	Powder
COLOUR	Light grey
MAIN ACTION	Bentonite activating agent
DOSAGE	1% in weight of total solids
SHELF LIFE	12 months
TOXICITY (CLP 1206/2006)	Non-toxic, non harmful
FLAMMABILITY	No
CUSTOMS CODE	3823/4000/0

APPLICATION SPECIFICATIONS

DRYING TIME - 20°C	approx 30 minutes
OVERLAY TIME (COATING APPLICATION)	approx. 30-40 minutes depending on humidity, ambient temperature and substrate
APPLICATION TEMPERATURE	+ 5°C to + 35°C
CONSUMPTION	100 ÷ 300 g/m ² per coat depending on temperature and substrate surface conditions

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 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.