



DEVELOPMENT RESINS ADMIXTURES CONCRETE

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DURCROM 50

CEMENT REOPLASTIC MORTAR PREMIXED FIBER
REINFORCED FOR ARMORING TO SPECIFIC
THICKNESS THE INDUSTRIAL FLOORS

DESCRIPTION

DURCROM 50 is a cement reoplastic mortar, ready to use, specially developed to produce armored coats, antiwear with the method usually called "paste".

DURCROM 50 is made of a mixture of selective mineral aggregates, cement R 325 Portland and special admixtures.

The granulometric curve specially studied and the consequent special cement dosage make that product surface layed is smooth and sealed.

DURCROM 50 is easy to mix and simple to lay. With the prescribe ratio water/cement we obtain an "autolevel paste" without bleeding, segregation, high density, uniform quality and colour, and steady volume.

The positive characteristics above mentioned favores a very important thing in this kind of application, is the concrete adhesion to the rough.

DURCROM 50 can be supply in different colours.

The inorganic pigments used "Bayer" are resistant to the cement alkalis and to the light, and guarantee the pavement colouring for long time.

APPLICATION'S FIELD

DURCROM 50 can be apply on all surfaces made in concrete, where is required to obtain a minimum thickness of 1 cm with high characteristic of mechanical and chemical-physical resistance.

Civil building:

- skating-rink, sporting areas;
- schools, hospitals;
- display rooms.

Industrial building:

- industrial floors subject to medium and heavy traffic;
- computerware-warehouse;
- food industries;
- electronic industries;
- chemical industries.

DURCROM 50 is indicated for the food industries since with one or more polishing operations we obtain a floor with a surface that follows the igienic health norm of CEE.

DURCROM 50 permits an easy realization of the skirting board of joint between pavement and wall. This work avoid the formation of mildews between pavement and wall making structural continuity.

The floor so obtained is qualified for all the industries usually exports to European Community countries and United States of America. Application of DURCROM 50 is for computerware floors. Easy to lay through the positioning of special gaggets gives a very good levelness which normally can't be obtained by other forms.

ADVANTAGES

DURCROM 50 is economic either for the layer or for the user (purchaser).

The designer in suggesting DURCROM 50 is sure that the paste, on all the surface, we obtain mechanical guarantee data (see list tab. technical data) and besides:

- safe employment of a product read to use;
- facilities in mixing in particular using our TUR-BOMIX 100;
- control water quantity;
- DURCROM 50 autolevels without segregation;
- reduction time pose and finish;
- homogeneity of quality on all surface;
- high mechanic resistance of constant quality;
- maximum density;
- excellent resistance to the knock;
- excellent resistance to the environment;
- low absorbtion of oils and greases;
- easy cleaning;
- maximum hygiene;
- minimum maintenance;
- control quantity dosage for m² of floors as prescribed in the specifications.

With DURCROM 50 premixed ready to use we destroy all drawbacks caused from mixture maked crow's foot in site, like inadequate proportion aggregate/cement, insufficient components mixture, especially coloured due to difference of colours, degrade of mixture ready to use if left unused in the air, they hidrate themself damage the binding cement power, variability from mixture to mixture and the relation water/cement.

Other important advantages is the adaptability of the floor made with DURCROM 50. Infact the floor made with DURCROM 50 can meet every type of production, also if initially destined to other use.

DURCROM 50



QUALITY GUARANTEE

The correct components admeasurement and the packing bag humidity sealed permits to have a product of unchanged quality also after 1 year of correct warehousing.

DOSAGE

DURCROM 50 dosage, express in kg/m^2 change in accordance with the destination of the premix and the thickness decided from the designer with a minimum of 12 to a maximum of 48 kg/m^2 .

BAYFERROX BAYER COLOURS

Grey, red, tobacco, green; other colours are available on request.

USAGE INSTRUCTION

DURCROM 50 could be mixed in a concrete mixer using 7/8 liters of water for every bag of 50 kg. If the special turbomalt TURBOMIX 100 is used, mixing time could be cutted having the guarantee of uniform mixing.

Put in the concrete mixer the necessary water, add little by little DURCROM 50, turning continously the concrete mixer; at the end leave the mixture for three minutes and then put the mix on the floor. With the help of shims in steel, lay the mortar at height "finished level".

The smoothing can be done with the hand trowel or with mechanical trowel in order to get the wished finish.

PACKING AND WAREHOUSING

DURCROM 50 is putted in special bags, made externally with paper sheet and inside of a polyethylene bag.

The waterproofing to humidity is guaranteed and the product on pallets have a shelf life of more than 1 year.

CURING

Apply on the floor surface, just hardened and before doing the joint cut, our antievaporating film PROBETON CURING kind B.

PROBETON CURING keeps the humidity in the concrete during the first part of curing, favouring the obtaining of more mechanic resistances, reducing the risks of microcracks formation and protecting the pavement from successive superficial fouling.

SPECIFICATIONS

All the floor's areas in concrete indicated on the designs and described in the enclosed contract specifications should be armored with the reoplastic mortar DURCROM 50 for a thickness of mm equal to $\text{kg} \dots \text{m}^2$ of premixed product ready to use of *Draco Italiana S.p.A.*

The application technology and the suggested methods to adopt should follow the producer prescription, *Draco Italiana S.p.A.*, who will give, on request, technical assistance.

TECHNICAL DATA

SEASONING (days)	1	3	7	28
Resistance flexure (N/mm^2)	6.5	7.7	9.5	10.5
Resistance compressure (N/mm^2)	42	58	77	93

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This edition annuls and replaces the previous