

METALCRON 801

SPECIAL, COLORED, HARDENING AGENT, IDEAL FOR THE REINFORCEMENT OF MEDIUM AND HEAVY CIRCULATION FLOORINGS

GENERAL CHARACTERISTICS

METALCRON 801 is a special, hardening agent in form of powder, consisting of cement, corundum and special admixtures and improvers. It is offered in different colors such as grey, Indian red, ochre and green.

- Creates industrial, colored, smooth floorings of high resistance in abrasion and mechanical stresses using power floats for the right incorporation of the material in fresh concrete (minimum concrete quality C16/20).
- Eliminates dust from floorings.
- Ideal for industrial floors, food factories, workshops, warehouses, parking lots, loading-unloading areas, pavements, ramps and generally areas of medium or heavy circulation.
- Suitable for external and internal surfaces.

TECHNICAL DATA

Basis:	cementitious
Appearance:	powder
Colors:	grey, indian red, ochre, green
Bulk density:	1480 ± 10 gr/lt
Compressive strength: (ASTM D 695)	93 N/mm ² , 28 days at 23°C
Flexural strength: (Din 1164)	12 N/mm ² , 28 days at 23°C
Granulometry:	100 µm – 2500 µm
Temperature for the application and drying of the material:	5 – 35°C

PREPARATION - APPLICATION

The success in the application depends on the right preparation of the underlay and use of the material.

- Placement of steel mesh T131.
- Flattening of concrete (at least 15-20 cm for the first layer or 8 cm for new concrete over already existing concrete).
- Smoothing of the surface using a special smoothing machine (power float).
- Application of **METALCRON 801**. The material is applied dry by dredging on fresh concrete right after it starts setting. If necessary the surface is then wetted.
- Following, the material is treated using a special smoothing machine (power float) for its right incorporation in fresh concrete.
- In order to increase hardening and mechanical resistance, the surface can be over coated with the special sealing resin **POLCURE 1133** (former CURING COMPOUND)

Thessaloniki Office

10, 25th Martiou str., N. Efkarpia,
P.C.: 56429, Thessaloniki Greece
T.: (+30) 2310 680105, (+30) 2310 680382
F.: (+30) 2310 692866

e-mail: exports@polat.gr

Athens Office

109, Vouliagmenis Avenue, Glifada,
P.C.: 16674, Athens Greece
T.: (+30) 210 9647320
F.: (+30) 210 9646317

www.polat.gr



(consumption: 100-150 gr/m²).

- Finally the joints of the industrial flooring are cut in dimensions 5X5 m, in depth 1/3 of the concrete's thickness and within three days from the day of the construction of the industrial flooring, in order to avoid cracks.
-

CONSUMPTION

4-5 Kg/m², depending on the desirable hardening.

PACKAGING

Supplied in bags of 25 kg.

STORAGE

One year in unopened bags, in dry places with minimum temperature 5°C.

REMARKS

Application should be avoided with blaze, wind or rain.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of POLAT S.A.

Thessaloniki Office

10, 25th Martiou str., N. Efkarpia,
P.C.: 56429, Thessaloniki Greece
T.: (+30) 2310 680105, (+30) 2310 680382
F.: (+30) 2310 692866

e-mail: exports@polat.gr

Athens Office

109, Vouliagmenis Avenue, Glifada,
P.C.: 16674, Athens Greece
T.: (+30) 210 9647320
F.: (+30) 210 9646317

www.polat.gr

