



TECHNICAL DATA SHEET

TWO-COMPONENT POLYURETHANE ENAMEL

Name: ISOCOLGOM CONCRETE COAT
Code: 391.00000
Color: OFF-WHITE, OXIDE RED, MEDIUM GRAY
Appearance: SATIN
Packaging: 25 KG TIN
Availability: ON REQUEST

Catalyst: EPOXY
Name: ISOCOLGOM AROMATIC CATALYST
Code: 390.01044
Packaging: 5 L. TIN

Specific thinner: [POLYURETHANE](#)
Name: ISOCOLGOM DILUENT
Code: 900.83805

WHERE TO USE

Polyurethane resins based enamel, specifically designed for the painting of industrial concrete floors, appropriately pre-treated, not exposed to atmospheric agents and sunlight. Excellent resistance to abrasion.

CHEMICAL AND PHYSICAL CHARACTERISTICS

Referred to the undiluted catalyzed product

The physical constants are indicative and subject to normal production tolerances in accordance with ISO 3534-1. The data shown are relative to the White Color. For different colors the physical constants can take different values.

Calculated specific weight	Kg/L 1.300 ± 0.020
Calculated dry residue	Weight 60% ± 0.50%
Binder	POLYURETHANE + AROMATIC ISOCYANIC ADDUCT
Calculated theoretical yield* two applications	5 mq/Kg



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* The yield must be evaluated from time to time, as it is conditioned by multiple external and environmental factors that are variable during the application phase. In estimating the quantities necessary for the execution of the work, it is also necessary to consider the possible losses of material during mixing and application.

Drying	Air T° 25°C Relative humidity 50%
Dry to the touch	1 hour
Dry in depth	7 days
Overpainting	after 6 hours and within 72 hours

APPLICATION INSTRUCTIONS

Optimal conditions for the application

Temperature not lower than 5°C, and anyway when the T° of the surface is at least above dew point.

Relative humidity not exceeding 80%.

Note: Excessive moisture or condensation during polymerization can negatively interfere with the polymerization itself and / or cause discoloration. Above or below normal conditions it may be necessary to use special application techniques and particularly dilution ratios.

How to treat the surface

The surface of the concrete must be perfectly clean, solid and dry. The friable parts, dust, traces of release oil, paints or paints previously applied must be completely removed from the support by sandblasting. After cleaning with removal, by staking out or sandblasting, of friable or inconsistent layers, proceed with the restoration of the damaged parts and their dusting.

If the substrate is moist, it is necessary to use as a first coat a three component epoxy polyamide primer and then the two-component polyurethane enamel ISOCOLGOM CONCRETE COAT.

On the concrete where moisture is absent, we recommend applying one / two coats of solvent-based epoxy-polyamide impregnating, before painting with two-component polyurethane enamel ISOCOLGOM CONCRETE COAT.

IMPORTANT: It is absolutely necessary to verify before the treatment that there are no traces of moisture, or possible formation of rising damp even after the application of the paint layer, to avoid the detachment of the film. Therefore it is advisable to contact the COLGOM assistance service by calling 3358384781.



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Primer suggested for wet substrate	EPOXY-POLYAMIDE IMPREGNATING PRIMER
Name	EPICOL TRANSPARENT
Code	999.00456
Primer suggested in the absence of moisture	EPOXY-POLYAMIDE ANTIRUST
Name	EPICOL PRIMER
Code	401.00000

Mode

By roller	SUITABLE
By brush	SUITABLE
By spray	NOT SUITABLE
Note: Take care to perform two coats	

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MIXTURE AND DILUTION

Both depend on the application method.

The use of a diluent other than the specific one indicated may have a negative effect on the behavior of the coating applied, with the cancellation of guarantees also explicitly expressed and / or agreed upon.

Note: Carefully mix polyurethane enamel (component A) before catalysis. Add the catalyst (component B). Carefully mix the catalyzed product. Adding the thinner and mix again.

IMPORTANT: During hot periods, before mixing the two components, avoid exposing them directly to the sun. It is also advisable to store them for at least 24 hours at a temperature of + 10°C.



Via Giorgio Ambrosoli 10/12 50138 Florence - Italy
Phone: +39 055 6503108 - Fax: +39 055 9900125
VAT Number 00433270485
www.colgom.com - colgom@dada.it



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Roller application

First coat: Maximum dilution 15%

Second coat: Maximum dilution 5%

PLEASE NOTE: At least 2 hours must pass between applications coat, but both must be completed within 24 hours.

Brush application

First coat: Maximum dilution 15%

Second coat: Maximum dilution 5%

PLEASE NOTE: At least 2 hours must pass between applications coat, but both must be completed within 24 hours.

Catalysis	
POLYURETHANE ENAMEL	100 PARTS BY WEIGHT
EPOXY CATALYST	25 PARTS BY WEIGHT
INDUCTION TIME	10 MINUTES
POT-LIFE*	6 - 8 hours at 25°C and lower at higher temperatures.
*The duration of the mixture ends when the product becomes too viscous for use.	
NOTE: Avoid partial mixing, in order not to incur dosage wrongs which would lead to failure or incomplete hardening of the product.	

INSTRUCTIONS FOR STORAGE

The product must be stored in accordance with national regulations. After the indicated period of time, check before use to verify the integrity of the product. Storage at high temperatures significantly reduces the period of use of the product.

Enamel

24 months from the date of production in sealed can, as long as the material is placed indoor, away from heat sources, protected from frost and anyway within the limits of 5 - 30°C and humidity 0 - 80°C.

Catalyst

12 months from the date of production in sealed can, as long as the material is placed indoors, away from heat sources, protected from frost and anyway within the limits of 5 - 30°C and humidity 0 - 80°C.



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HEALTH AND SAFETY

To be used exclusively for the uses and conditions shown on this data sheet.

In applications it is always necessary to provide adequate room ventilation.

Do not inhale the nebulised paint. Do not eat, drink or smoke during use. Do not disperse into environment. Collect spillages.

Dispose of the product / container in accordance with national regulations.

The product causes serious eye irritation. Wearing protective gloves / clothing. Protecting eyes / face. In case of contact with the skin, removing the paint with a suitable detergent, soap and water. Keep out of reach of children.

In case of need, consulting Niguarda Hospital's venoms Center at the number 02/66101029

For detailed information on health and safety hazards and precautions for the use of this product, always consult the Safety Data Sheet.

Please Note:

Since the conditions of use of our materials are not under our direct control, we decline any responsibility for the improper use that is made of them, for the direct or indirect damages that can derive from their use towards anyone and for the duration in time of the product after its application.

Colgom© does not assume any responsibility, of any kind, implicit or explicit, whether imposed or requested by the client, or otherwise indicated, also with reference to the covering power and suitability for a particular use or service, also with reference to the covering power and suitability for a particular use or service, unless otherwise written agreed in writing between the Parties.

Colgom© ensures that all its products are manufactured according to established procedures and their final quality complies with the standards set by its quality control.

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This data sheet replaces all the previous ones.

