



TECHNICAL DATA SHEET

POLYURETHANE ENAMEL WITH ALIPHATIC ADDUCT

Name: GLASS ISOCOLGOM ALIPHATIC COAT
Code: 381.00000
Color: RAL COLORS, NCS, CUSTOMIZED ON SAMPLE
Appearance: GLOSSY
Packaging: 25 KG TIN
Availability: ON REQUEST

Catalyst: ALIPHATIC POLYURETHANE
Name: ISOCOLGOM ALIPHATIC CATALYST
Code: 390.04739
Packaging: 6 L. TIN

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

WHERE TO USE

Enamel resistant to damp and exposure in an industrial and marine atmosphere, with excellent elasticity and color retention. Particularly suitable for finishing on glass. The use of pigments with high stability to light, an effective inhibitor of UV rays and an aliphatic pure isocyanate catalyst allow to obtain a film with excellent resistance to atmospheric agents and aggressive environments. Due to its formulation it is suitable for the treatment external glass for aesthetic or design purposes. The recommended minimum final thickness is not less than 70µm in dry film.

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 1.200 ± 0.020 L/Kg 0.820 ± 0.020
Fineness of grinding	>6 Hegman scale (NS)
Calculated dry residue	Weight $58\% \pm 2\%$ Volume $47\% \pm 2\%$



TECHNICAL DATA SHEET

Binder	POLYACRYLATE + ALIPHATIC POLYISOCIANIC ADDUCT
C.O.V.	< 500 g/L
Calculated theoretical yield* dry film 70µm	5.8 mq/Kg 6.37 mq/L
* 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 70%
Dust out	30' – 40'
Dry to the touch	4 - 5 hours
Dry in depth	7 days
Overpainting	after 1 hour 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 particular dilution ratios.



TECHNICAL DATA SHEET

How to treat the surface

The surface must be clean and dry. A suitable method must be used to remove dirt, dust, oils and other contaminants that could interfere with the adhesion of the product. Apply an anchoring primer as a first coat and then GLASS ISOCOLGOM ALIPHATIC COAT.

Recommended primer	Epoxy Polyamide anchoring primer
Name	EPICOL GLASS PRIMER
Code	461.00000

Mode

By spray	SUITABLE
By roller	SUITABLE
By brush	SUITABLE
Note: Taking care to reach the required thickness	

3

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.

Spray application

With AIRLESS and AIRMIX systems, dilute up to the viscosity of 40" - 50" Ford Cup No. 4 at 20°C. We recommend reaching the required thickness.

Roller application

Maximum dilution 5%, taking care to reach the required thickness.

Brush application

Maximum dilution 5%, taking care to reach the required thickness.



Via Giorgio Ambrosoli 10/12 50138 Florence - Italy
Phone: +39 055 8503108 - Fax: +39 055 9900125
VAT Number 00433270485
www.colgom.com - colgom@dada.it



TECHNICAL DATA SHEET

Catalysis	
POLYURETHANE ENAMEL	100 PARTS BY WEIGHT
ALIPHATIC POLYURETHANE CATALYST	25 PARTS BY WEIGHT
POLYURETHANE ENAMEL	100 PARTS IN VOLUME
ALIPHATIC POLYURETHANE CATALYST	40 PARTS IN VOLUME
INDUCTION TIME	15 MINUTES
POT-LIFE*	8 hours at 25°C and lower at higher temperatures.
*The duration of the mixture ends when the product becomes too viscous for use.	

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.

4

Enamel

12 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 4 - 30°C and humidity 0 - 80°C.

Catalyst

6 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 4 - 30°C and humidity 0 - 80°C.

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



Via Giorgio Ambrosoli 10/12 50138 Florence - Italy
Phone: +39 055 8503108 - Fax: +39 055 9900125
VAT Number 00433270485
www.colgom.com - colgom@dada.it



TECHNICAL DATA SHEET

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.

Colgom© reserves the right to change the information given without prior notice.

Revision N.01/2019

This data sheet replaces all the previous ones.