



TECHNICAL DATA SHEET

DIRECT ADHESION ACRYLIC ENAMEL

Name: ACRYL ISOCOLGOM S.N.F. COAT
Code: 321.00000
Color: RAL COLORS, NCS, CUSTOMIZED ON SAMPLE
Appearance: GLOSS OR SATIN
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

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Two-component acrylic enamel resistant to humidity, UV rays, industrial and marine atmospheres. Excellent elasticity, good resistance to abrasion, remarkable color and brilliance over time. Excellent adherence on aluminum and stainless steel. Particularly suitable for painting agricultural sheds, industrial and box buildings made of hot-galvanized sheet metal. 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 $47\% \pm 2\%$



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Binder	POLYACRYLATE + ALIPHATYC POLYISOCYANATE 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

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.



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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.

Hot galvanized steel	1) Cleaning with a suitable solvent for degreasing (SSPC-SP1) and subsequent careful blowing with dehumidified compressed air (ISO 8573) 2) Sandblasting up to grade Sa1 as indicated in the SSPC-SP7 standard, and subsequent accurate blowing by dehumidified compressed air (ISO 8573)
Carbon steel	1) Cleaning with a suitable degreasing solvent as indicated in the SSPC-SP1 standard, and subsequent careful blowing by dehumidified compressed air (ISO 8573) 2) Cleaning with suitable mechanical equipment as indicated in the SSPC-SP2 standard, and subsequent careful blowing by dehumidified compressed air (ISO 8573) 3) Blasting up to the required Sa grade and subsequent accurate blowing by dehumidified compressed air (ISO 8573)
Stainless steel, Aluminum	1) Cleaning with suitable solvent for degreasing (SSPC-SP1) and subsequent careful blowing by dehumidified compressed air (ISO 8573) 2) Sandblasting with non-metallic abrasive up to grade Sa1 as indicated in the SSPC-SP7 standard and subsequent accurate blowing by dehumidified compressed air (ISO 8573)

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Mode

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

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 direct adhesion acrylic enamel (component A) before catalysis. Add the catalyst (component B). Carefully mix the catalyzed product. Adding the thinner and mix again.



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Spray application

With AIRLESS and AIRMIX systems, dilute up to the viscosity of 40" Ford Cup No. 4 at 20°C. It is recommend to reach the required thickness. On request the product is available for application with ELECTROSTATIC system.

Roller application

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

Brush application

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

Catalysis	
DIRECT ADHESION ACRYLIC ENAMEL	100 PARTS BY WEIGHT
POLYURETHANE CATALYST	18 - 25 PARTS BY WEIGHT
INDUCTION TIME	15 MINUTES

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POT-LIFE

8 hours at 25°C and lower at higher temperatures. The duration of the mixture ends when the product starts to become 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.

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.



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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.

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This data sheet replaces all the previous ones.

