ELIOFLEX Puro

Technical Data Sheet No. 2411171510

Denomination	**ELIOFLEX Puro**
Description	Elastomeric Acrylic-Siloxane Water-Based Wall Paint
Product Details	Elastomeric filling matte acrylic-siloxane water-based wall paint, suitable for the protection of thermal insulation systems, crazed surfaces, paints and wall coatings (in general) with or without micro-cracks issues. Excellent filling power; it offers good water vapor permeability. Excellent flexibility even at very low temperatures. It contains cracks up to 200 µm wide.
VOC Classification (Directive 2004/42/EC)	One-Pack Performance Coatings. EU limit value for this product (cat. A/i): 140 g/l (2010) This product contains max. 120 g/l VOC
Surface Preparation & Application	**SUBSTRATES WITH NEW PLASTERS** • After the plaster has been cured, it is always advisable to apply a coat of water-based **Eliofond Acrilico**. • Allow at least 12 hours to elapse for drying and apply the first coat of **Elioflex Puro** with a roller. • Allow another 12 hours to elapse before applying the second coat of **Elioflex Puro**. • It is always advisable to apply the product as it is to obtain an adequate thickness (minimum 300 µm of dry paint film), that is sufficient to contain micro-lesions. **SUBSTRATES WITH OLD PAINTS AND VISIBLE LESIONS** • It is always recommended to apply a coat of solvent-based **Eliowall Primer**. • Allow at least 6 ÷ 8 hours to elapse and start the restoration procedure by applying **Elioflex Puro** on the cracks with a brush, filling them. • In the case of cracks up to 1 mm wide, proceed with the application of polyester mesh portions along the lesion dorsal, that will be drowned with a first coat of **Elioflex Puro** (applied with a roller). • Allow at least 24 hours to elapse before applying the second coat of **Elioflex Puro**. • It is always advisable to apply the product as it is to obtain an adequate thickness (minimum 200 µm of dry paint film), that is sufficient to contain micro-lesions.
Practical Advices	Room Temperature: Min. 5°C / Max. 30°C Relative Humidity: Min. 35% / Max. 85% Substrate Conditions: Dry
Available Sizes	20 Kg
Storage	• Keep container tightly closed in a dry, cool place. • Storage Temperature: up to 5°C / below 35°C. • Shelf Life: 24 months under optimal temperature and R.H. conditions.
Safety Standards	Product labeled according to **Regulation 1272/2008 (CLP)**. For further information, reference should be made to the related Material Safety Data Sheet. Empty containers or containers with slight film traces of dried residual product must be disposed of in accordance with local requirements.

Technical Features	Laboratory Data @ 20°C (68°F), 65% R.H.
Vehicle Type	Acrylic-Siloxane Resins
Specific Weight	1.540 gr/litrer
% Solids	By Weight: 67,4 % By Volume: 49,8 %
Color	White Integrated in **Eliocolor Performance** Tintometric System
Viscosity Brookfield RVT at 20°C and 20 rpm	22.000 ÷ 25.000 cps
Components	One
Dilution (V/V)	Ready-to-Use
Thin With	Water (only for tools cleaning)
Tools	Roller; Brush; Airless Spray Gun
Dry Film Thickness per Coat	150 µm
Coverage at Recommended Film Thickness	3,3 m²/liter – 2,2 m²/kg
Consumption per Coat	454 gr/m²
Dry to Touch	5 ÷ 6 hours
Dry to Handle	24 hours
Dry to Recoat	Min.12 hours
Dry Film Appearance Specular Gloss @ 60°C	Semi-Matte < 30 - ≥ 10 gloss
Resistance to Rural, Light Industrial and Marine Environments	Excellent
Temperature Resistance	From -25°C to +50°C
Rainwater Resistance	The product completes its cross-linking process over a period of 12-15 days under optimal conditions
Elasticity	Good

ELIOFLEX Puro

Performance Classification according to European legislation EN 1062

Film Appearance	G_3 ..... Matte ..... 1G.U. 85°
Dry Film Thickness	E_4 .....> 200 µm
Grain Size (EN ISO 1524)	S_2 ..... Medium ..... < 300 µm
Vapor Permeability (UNI EN ISO 7783:2012) **"CERTIMAC" Test Report of 03/07/2018**	V_2 .....Medium ..... ≤ 150 - > 15 g/(m² • d) **(= 106 g/m²d.)**
Water Permeability **"CERTIMAC" Test Report of 03/02/2018**	W_3 ..... Low.....≤ 0,1 kg/(m² • h ^{0,5}) **(= 0,02 kg/m² h ^{0,5})**
CO_2 Permeability **"CERTIMAC" Test Report of 03/22/2018**	C_1.....Mean value of the thickness of the equivalent layer of air S_d > 50 m. ***(S_d = 616,5 m) - The coating is suitable for applications that prescribe "anti-carbonation" products***
Cracking Resistance (UNI EN 1062-7) **"CERTIMAC" Test Report of *03/29/2018***	***The Coating is in Class A3, (Crack-bridging): for tests carried out at +23°C*** ***The Coating is in Class A2, (Crack-bridging): for tests carried out at -10°C***
Solar Reflectance and Thermal Emittance (ASTM C 1371-04a) **"CERTIMAC" Test Report of 02*/26/2018***	***Average Solar Reflectance, a = 0.84*** ***Thermal Emittance, E = 0.92***
Thermal Conductivity (UNI EN 1745; ASTM E 1530, UNI EN 12664) **"CERTIMAC" Test Report of 02*/28/2018***	***Average Paint Film Thickness (= 0,71 mm)*** ***Thermal Conductivity (= 0,237 ÷ 0,271 W/mk)***
Numerical Evaluation of the Contribution to Thermal Transmittance of Masonry Walls Subjected to Vertical Load (UNI EN ISO 6946) **"CERTIMAC" Test Report of *03/01/2018***	***Traditional Walls:*** ▪ ***% Variation compared to the standard U-Value (= 0,410)*** ▪ ***Thermal Transmittance U-Value (= 1,458 W/m² k)*** ***Cutting-Edge Walls:*** ▪ ***% Variation compared to the standard U-Value (= 0,075)*** ▪ ***Thermal Transmittance U-Value (= 0,251 W/m² k)***