

TECHNICAL DATA SHEET

----- FAÇADE DIVISION -----

Elastrong Paint Gum

sez. 1.0 Technical characteristic

ELASTRONG PAINT GUM is a matt and elastic coating for exterior surfaces. The product contains acrylic elastomeric resins in water dispersion, giving to the product outstanding elasticity, weatherability, water repellence, light stability and resistance to pollution. Furthermore, the product prevents the formation of mould and algae. Surfaces treated with ELASTRONG PAINT GUM maintain their vapour permeability and are easily washable. The product remains elastic over time, even when subject to frost thaw cycles and U.V. rays. ELASTRONG PAINT GUM by OIKOS is recommended for protecting and restoring historical centers, villas, residential complexes and all wall surfaces in general, especially those subject to cracking or fissures. ELASTRONG PAINT GUM can be used on its own, applying two coats, however for maximum efficiency it is advisable to carry out the full cycle of one coat of ELASTRONG GUM and one coat of ELASTRONG PAINT GUM. The product has a low odour level, is non inflammable and is friendly to both humans and the environment.

sez. 2.0 Ideal Use

Interior and exterior walls that are subject to cracks and fissures.

sez. 3.0 Surface preparation

On old surfaces or surfaces with existing layers of paint, remove or wash away all loose or flaking material, smog stains, dust or dirt. Apply one coat of the special primer NEOKRYLL by OIKOS. Wait 4 ÷ 6 hours until dry. New surfaces must be thoroughly dry and mature, on new surfaces then apply one coat of the primer BLANKOR by OIKOS to improve the adhesion and render the absorption homogenous. Wait 6 ÷ 8 until dry.

sez. 4.0 Application method

For a complete cycle of application, apply by brush, roller or spray gun (nozzle 1.7 ÷ 2 mm) a coat of the intermediate product ELASTRONG GUM by OIKOS. Following this, after approximately 6 hours, apply a coat of ELASTRONG PAINT GUM diluted 20 ÷ 30% with drinkable water. ELASTRONG PAINT GUM can be used on its own applying two coats diluted 20 ÷ 30% with drinkable water leaving 6 hours between coats.

sez. 5.0 Finish

In order to give the surface a paint wash effect apply, once the surface is thoroughly dry, a coat of VELDECOR by OIKOS going over the surface with a brush, sponge or glove by OIKOS.

sez. 6.0 Technical Characteristic: application

Dilution	20 ÷ 30% with drinkable water.
Yield	8 ÷ 10m ² /l in one coat depending on the absorption of the surface.
Application tools	Brush, roller, spray gun (nozzle 1.7 mm).
Primer	NEOKRYLL, BLANKOR by OIKOS.
Base Coat	ELASTRONG GUM by OIKOS.
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time: tack free	2 ÷ 3 hours (temperature = 20°C with relative humidity at 75%)
Drying time: fully cured	24 hours (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

sez. 7.0 Technical Characteristic: the product

Composition	Acrylic elastomeric resins in water dispersion, titanium dioxide fillers, organic and inorganic pigments and preservatives to aid application and the formation of the surface film.
Specific weight	1.4 kg/l +/- 3% (White)
pH	8.5 ÷ 9.5
Viscosity	25.000 +/-5% CPS Brookfield (RVT 20 revs/min. a 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Fire reaction	Negative when applied on to a non inflammable surface: water based material with dry thickness of less than 0,600 mm
Water absorption W24	0.01 kg/ m2.h0.5 DIN 52 617 (max allowed limit 0.5 kg/ m2.h0.5 DIN 52 617)
Vapour permeability Sd	0.35 m (max allowed limit 2 m DIN 52 615)
Resistance to washing	Conforms to the norm DIN 53 778, resistant to at least 1,000 abrasive cycles.
Resistance to abrasion	conforms to the norm DIN 53 778, resistant to more than 5,000 abrasive cycles.
Adhesion	Conforms to the norm DIN ISO 4624
Crack bridging ability (CBA) UNI EN 1062-7:2005	CLASS A3 (GREATER THAN 500 MICRONS)
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/c; VOC: 36 g/l (max); Limit Phase I (from 01/01/2007): 75g/lt, Limit Phase II (from 01/01/ 2010): 40g/lt
Available colours	White + shades of the Exterior colour chart on the DCS tintometric system by OIKOS
Packaging	4 – 14 lt

sez 8.0 Toxicological data

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is considered to be a non dangerous substance if used in the technically correct manner. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements

sez. 9.0 Specifications

Clean the surface to be painted, removing any loose or flaking material. New surfaces must be thoroughly dry and mature. To render homogenous the absorption and to consolidate powdering surfaces, apply one coat of a primer such as NEOKRYLL or BLANKOR by OIKOS. Once prepared apply an intermediate elastic coating such as ELASTRONG GUM by OIKOS and an elastomeric finish coat such as ELASTRONG PAINT GUM by OIKOS. All must be carried out in accordance with the norms of application, at a cost of m². inclusive of materials and labour. Scaffolding Not included

Note

The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct. Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put