

Technical qualities

ELASTRONG GUM is a pigmented elastic coating for exterior surfaces, to be used as an intermediate coat in the smooth elastomeric cycle that will be completed with a coat of ELASTRONG PAINT GUM by OIKOS. The product contains acrylic elastomeric resins in water dispersion, organic and inorganic pigments and titanium dioxide. The special elastomeric resins make the product highly elastic, water repellent, resistant to light, to weather conditions and to pollution: it also prevents the formation of mould and algae. The product remains elastic over time, even when subject to frost-and thaw cycles and U.V. rays. ELASTRONG GUM is recommended for protecting and restoring all wall surfaces, and especially those subject to cracking or fissures. In the event that an even greater level of protection against mould and algae is needed, it is recommended to add the indicated additive STERYLPLUS to the product. It has a low odour level, is non-inflammable and is friendly to both humans and the environment.

Ideal use

Exterior walls that are subject to cracks and fissures.

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.

Application Method

To obtain a smooth finish, apply by brush or by wool short hair roller a coat ELASTRONG GUM diluted with 10% water. For application by spray gun dilute with 25% water. For orange peel finish, apply undiluted by using a medium grain sponge roller. Wait 6-8 hours before applying the finishing coating ELASTRONG PAINT GUM.

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 ÷ 9.5
Viscosity	22.000 ±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 0,600mm
Water absorption W_{24}	0.01kg/m ² .h0.5 DIN 52 617 (max allowed limit 0.5kg/ m ² .h0.5 DIN 52 617)
Vapour permeability Sd	0.4m (max allowed limit 2m 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	Cycle: Blankor, Elastrong Gum, Elastrong Paint Gum CLASS A3 (GREATER THAN 500 MICRONS)
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42 CE	<ul style="list-style-type: none"> • Classification: A/h • VOC: 10g/l (max) • Limit Phase I (from 01/01/2007): 50g/lt • Limit Phase II (from 01/01/ 2010): 30g/lt
Available colours	White + colour chart
Packaging	4 – 14 l

The application

Dilution	<ul style="list-style-type: none"> • By brush or short hair roller: 10% with drinkable water • By sponge roller for orange peel finish: undiluted • By spray gun: 25% with drinkable water
Yield	4 ÷ 6m ² /l in one coat depending on the absorption of the surface nad on the desired effect
Application tools	Brush, wool short hair roller, spray gun (nozzle 1.7mm). Sponge roller for orange peel finish
Primer	NEOKRYLL, BLANKOR 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



**SMOOTH, INTERMEDIATE,
ELASTOMERIC PAINT**

**TECHNICAL
DATA SHEET
n. EXT/eg/03**

www.oikos-group.it/elastronggum

Finishes

ELASTRONG PAINT GUM by OIKOS.

Safety information

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.

Specifications

Clean the surface to be painted, removing any loose or flaking material. New surfaces must be thoroughly dry and mature. To render homogeneous 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.