

## TECHNICAL DATA SHEET

### **SILKOS GENOVA**

#### **Technical Qualities**

SILKOS GENOVA by Oikos is an exterior coating giving either a troweled or a gravelly plaster finish. Thanks to its formulation of acril-siloxanic binders in water dispersion, sand, selected marble grains (max 1mm) the product has an exceptional resistance to atmospheric agents, maintaining at the same time the vapour permeability of the surface and giving a high level of water repellency. It prevents the formation of mould and algae. can be used as a finish on all types of wall surface, on high diffusion or de-humidifying plasters and it is also suitable for use on thermal insulation systems. In the event that a greater level of prevention is needed towards mould and algae, it is recommended to add the indicated sanitizing additive STERYLPLUS to the product SILKOS GENOVA has a low Environmental Impact and is friendly to both humans and the environment.

#### **Ideal Use**

Exterior walls, facades, cement conglomerates, particularly indicated for use on high diffusion or de-humidifying plasters and also for thermal insulation facade systems.

#### **Surface Preparation**

Surfaces should be thoroughly dry and mature. New plaster must be left to mature for at least 30 days to allow complete carbonation of the support. Carefully brush or strip the surface removing any loose or flaking material; in the case of restoration works, all leaks and water infiltrations must be repaired prior to application. Apply the indicated primer NEOKRYLL or BLANKOR by OIKOS for all the above indicated surfaces, or DECORSIL PRIMER or DECORSIL PRIMER PIGMENTATO by OIKOS for high diffusion or de-humidifying plasters. Wait 8-10 hours before applying the finish products.

#### **Application Method**

SILKOS GENOVA is ready to use. To obtain the trowelled finish, using an Inox steel trowel, proceed to apply a single coat of the product in an even thickness given by the grain of the product itself; immediately go back over the surface with the same tool in circular movements to smooth the product and create the final effect.

To obtain the plaster finish, use the sponge trowel (art. 137) in the final part of application instead of the Inox steel trowel.

**Finishes**

To give walls a wash effect, once the surface is dry it is possible to apply as a finish a coat of VELDECOR by OIKOS.

**Technical Characteristics: Application**

Dilution:	Ready to use
Yield:	0,6 ÷ 0,7 m <sup>2</sup> /l one coat according to the type of support
Application tools:	Inox steel trowel, Sponge trowel
Primers:	Neokryll, Blankor, Decorsil Primer, Decorsil Primer Pigmentato by OIKOS
Application temperature:	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry:	2 ÷ 3 h (temperature = 20°C with relative humidity at 75%)
Total drying time:	24 h (temperature = 20°C with relative humidity at 75%)
Time until possible to paint over:	4 ÷ 6 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning:	Water

**Technical Characteristics: Product**

Composition:	Acryl-Siloxanic resins in water dispersion, high coverage fillers, titanium dioxide, inorganic pigments, selected sand and marble grains, preservatives against the growth of mould and algae and additives to aid application and formation of the surface film.
Specific weight:	1,75 kg/l +/- 3% (white)
Grain size	Max 1,5 mm
pH:	8 ÷ 9
Viscosity:	Workable paste
Storage temperature:	+2°C ÷ +36°C. Keep from freezing

Water absorption : Class W<sub>3</sub> (Low permeability)  $w = 0,062 \text{ kg}/(\text{m}^2\text{h}^{0,5})$  (EN 1062-3:2001)

Permeability to water vapour: Class V<sub>2</sub> (Medium permeability)  $S_d=0,78 \text{ m}$  (EN ISO 7783-2:2001)

Measurement of bond strength by pull off:  $f_h = 0,6 \text{ MPA}$  (min.  $f_h > 0,3 \text{ MPA}$ ) (EN 1542:2000)

Durability:  $f_h = 0,8 \text{ MPA}$  (min.  $f_h > 0,3 \text{ MPA}$ ) (EN 13687-3:2003)

Thermal conductivity:  $\lambda_{10,dry} = 1,28 \text{ W}/\text{mK}$  (P=90%) (EN 1745:2005)

Reaction to fire: Euroclass B-s1,d0 (EN 13501:2009)

CE Labelling: Conforms (EN 15824:2009)

Emission limits of Volatile Organic Compounds (VOC)

according to directive 2004/42/CE: Classification: A/c ; VOC: 31 g/l (max);  
Limit Phase I (from 1.1.2007): 75 g/l;  
Limit Phase II (from 1.1.2010): 40 g/l

Colours: White and shades from the colour chart

Packaging: Kg 4 - 14

## 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. 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

On old or previously painted surfaces, brush or wash the surface to remove all traces of dust, smog or similar dirt. Remove any loose or flaking material and then apply a primer such as NEOKRYLL by

OIKOS. New surfaces must be thoroughly dry and mature. On such surfaces apply a primer such as BLANKOR by OIKOS to improve adhesion and even out the absorption of the surface. Before applying the finish wait 8–10 hours. On high diffusion or de-humidifying plasters, apply a primer such as DECORSIL PRIMER or DECORSIL PRIMER PIGMENTATO by OIKOS.

After 8–10 hours apply a coating such as SILKOS GENOVA by OIKOS. All must be carried out in respect of the norms of application at a cost of ..... per m<sup>2</sup> inclusive of material and labour and excluding scaffolding

*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.*

## TECHNICAL DATA SHEET

### SILKOS MILANO

#### Technical Qualities

SILKOS MILANO by OIKOS is an exterior coating giving either a troweled or a gravelly plaster finish. Thanks to its formulation of acril-siloxanic binders in water dispersion, sand, selected marble grains (max 1mm) the product has an exceptional resistance to atmospheric agents, maintaining at the same time the vapour permeability of the surface and giving a high level of water repellency. It prevents the formation of mould and algae. SILKOS MILANO can be used as a finish on all types of wall surface, on high diffusion or de-humidifying plasters and it is also suitable for use on thermal insulation systems. In the event that a greater level of prevention is needed towards mould and algae, it is recommended to add the indicated sanitizing additive STERYLPLUS to the product. SILKOS MILANO has a low Environmental Impact and is friendly to both humans and the environment.

#### Ideal Use

Exterior walls, facades, cement conglomerates, particularly indicated for use on high diffusion or de-humidifying plasters and also for thermal insulation facade systems.

#### Surface Preparation

Surfaces should be thoroughly dry and mature. New plaster must be left to mature for at least 30 days to allow complete carbonatation of the support. Carefully brush or strip the surface removing any loose or flaking material; in the case of restoration works, all leaks and water infiltrations must be repaired prior to application. Apply the indicated primer NEOKRYLL or BLANKOR by OIKOS for all the above indicated surfaces, or DECORSIL PRIMER or DECORSIL PRIMER PIGMENTATO by OIKOS for high diffusion or de-humidifying plasters. Wait 8-10 hours before applying the finish products

#### Application Method

SILKOS MILANO is ready to use. To obtain the trowelled finish, using an Inox steel trowel, proceed to apply a single coat of the product in an even thickness given by the grain of the product itself; immediately go back over the surface with the same tool in circular movements to smooth the product and create the final effect.

To obtain the plaster finish, use the sponge trowel (art. 137) in the final part of application instead of the Inox steel trowel.

**Finishes**

To give walls a wash effect, once the surface is dry it is possible to apply as a finish a coat of VELDECOR by OIKOS.

**Technical Characteristics: Application**

Dilution:	Ready to use
Yield:	0,9 ÷ 1,1 m <sup>2</sup> /l one coat according to the type of surface
Application tools:	Inox steel trowel, Sponge trowel
Primers:	NEOKRYLL, BLANKOR, DECORSIL PRIMER, DECORSIL PRIMER PIGMENTATO by OIKOS
Application temperature:	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry:	2 ÷ 3 h (temperature = 20°C with relative humidity at 75%)
Total drying time:	24 h (temperature = 20°C with relative humidity at 75%)
Time until possible to paint over:	4 ÷ 6 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning:	Water

**Technical Characteristics: Product**

Composition:	Acryl-siloxanic resins in water dispersion, high coverage fillers, titanium dioxide, inorganic pigments, sand and selected Marble grains, preservatives against mould and algae and additives to aid application and formation of the surface film.
Specific weight:	1,8 kg/l +/- 3% (white)
Grain size	Max 1,0 mm
pH:	8 ÷ 9
Viscosity:	Workable paste

Storage temperature: +2°C ÷ +36°C. Keep from freezing

Water absorption: Class W<sub>3</sub> (Low permeability) w = 0,062 kg/(m<sup>2</sup>h<sup>0,5</sup>) (EN 1062-3:2001)

Permeability to water vapour: ClassV<sub>2</sub> (Medium permeability) Sd=0,78 m (EN ISO 7783-2:2001)

Measurement of bond strength by pull off: f<sub>n</sub> = 0,6 MPA (min. f<sub>n</sub> > 0,3 MPA) (EN 1542:2000)

Durability: f<sub>n</sub> = 0,8 MPA (min. f<sub>n</sub> > 0,3 MPA) (EN 13687-3:2003)

Thermal conductivity: λ<sub>10,dry</sub> = 1,28 W/mK (P=90%) (EN 1745:2005)

Reaction to fire: Euroclass F (EN 13501:2009)

CE Labelling: Conforms (EN 15824:2009)

Emission limits of Volatile Organic Compounds (VOC)

according to directive 2004/42/CE: Classification: A/c ; VOC: 29 g/l (max);  
Limit Phase I (from 1.1.2007): 75 g/l;  
Limit Phase II (from 1.1.2010): 40 g/l

Colours: White and shades from the colour chart

Packaging: Kg 4 - 14

## 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.

## Specifications

On old or previously painted surfaces, brush or wash the surface to remove all traces of dust, smog or similar dirt. Remove any loose or flaking material and then apply a primer such as NEOKRYLL by OIKOS. New surfaces must be thoroughly dry and mature. On such surfaces apply a primer such as

BLANKOR by OIKOS to improve adhesion and even out the absorption of the surface. Before applying the finish wait 8–10 hours. On high diffusion o de–humidifying plasters, apply a primer such as DECORSIL PRIMER or DECORSIL PRIMER PIGMENTATO by OIKOS.

After 8–10 hours apply a coating such as SILKOS MILANO by OIKOS. All must be carried out in respect of the norms of application at a cost of ..... per m<sup>2</sup> inclusive of material and labour and excluding scaffolding.

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