

PRODUCT INFO

LogicEX is a pure organic product, which is produced against water absorption and dirt retention of building facades. As a pure organic product, the LogicEX product silicic acid components, silicon and non-organic components are alkali-free, hygroscopic or other salt formations do not form on the wall.

The LogicEX product does not have an effect that narrows the pores or clogs the pores. This, however, guarantees a perfect water vapor diffusion and water evaporation from the wall. Its effect is based on a special polymer, which is dissolved in very fine liquid, highly pure paraffin oil. After evaporation of paraffin oil and together with the drying of the wall, only a very thin polymer film layer (in the formation of porous wall remains in the porous wall as an "interior painting" as a water repellent layer).

Apart from this, the pores, after the wall is dry, are filled with air again, the wall gets natural heat insulation.

Product Information and Features

Product- Type

Density Measurement

Image

Odor

PH value

Application Information

Drying condition brought to building ceiling

Visual change on building ceiling with additional plaster-or mineral-alloy paints-painting

Painting with dispersion dyes

Storage feature at minimum temperature

Minimum Application-Temperature

Hydrophobic Facade Protection

The excellent effect of LogicEX product on the wet-wall part is that it is not water-soluble in one aspect. The other is that the polymer molecules are 1000 times smaller than nanoparticles because of size of polymer molecules. So, LogicEX - "Particles" is about 1 million times smaller than micro emulsion particles.

LogicEX product is suitable for all mineral-based construction materials and can be used with the exception of gypsum-based facades created from them. In other words, it can be used in tile, clinker stone, porous tiles, calcareous sandstone gasket, concrete, plaster, natural stone (crushed stone) and other areas.

LogicEX product can also form hydrophobic (water repellent) layer on faced surfaces using mineral paint or dispersion colors and protect against dirt particles settlement.

With this combination of normal facade paints and LogicEX application it is possible to create dirt repellent surfaces which can only be done with expensive silicone resin-based paints. The advantage is that there is no color restriction as is the case with silicone painted resin paints.

1-Component material

0.8

Colorless liquid

Practically odorless

Neutral, alkali-free

2 days without rain and in rain during application
no change

Holding emulsion - is possible using plaster

gute Haftung

40 ° C

> 0 ° C Wall temperature



Floor Conditions

In general, it is not easy and critical to bring facades with Isophob-F for hydrophobic formation. In other words, **LogicEX** does not have a special request to keep facade clean. In the past, successfully tile-alloy building facades have been completely hydrophobic (water-repellent), completely blacked with over 100 years of dirt. However, it should be noted that once **LogicEX** application has been made, it can no longer be cleaned with the front cleaners, it can only be cleaned by sandblasting. If the problem is not only indoor humidity problems, but also optical aspect, dirty facade can be brought to hydrophobic (water repellent) position.

The same applies to grooves. If optical appearance does not matter, and if only the desiccation function is to be stopped on the facade, the crusher structure can be brought into hydrophobic (water repellent) position even if it has been weathered or weathered. In other words, it is not important to bring the state of the wall mortars to the hydrophobic position.

Only very old facade paints (used before 1940) or bitumen layers used as moisture protection must be removed in advance. Old dyes usually consist of oil dyes and therefore do not allow formation of a hydrophobic layer.

Surfaces that are swollen, hanging or breathing must also be removed in advance.

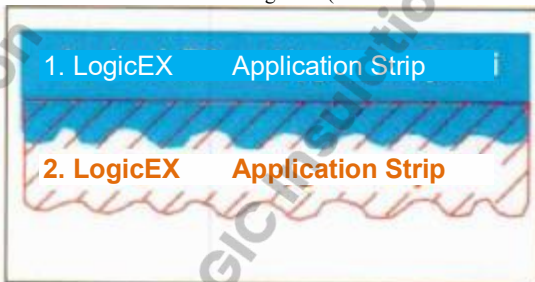
Application

In order to be effectively protected from weather, application depth and hydrophobicity of the material which makes it hydrophobic is an important element.

The hydrophobic nature is measured on the hydrophobic basis from the edge of the water droplet (see **LogicEX**-Info Syph.). The **LogicEX** f the edge angle is about 140 °, the edge angle is 90 ° -120 ° for many micro- and nano-emulsions.

Application depth depends on 3 runs. First of all, product itself must be able to descend to depths of building itself, which is a reliable form of **LogicEX**'s efficient penetration.

Second, the wall sections near the surface must be sufficiently dry. This is enough to cover the hydrophobic (water repellent) if the wall does not see rain for 2 days. The third must be applied in sufficient quantities of hydrophobic material and to the depth of the structure. The 2x build instruction can be read in many common items instead of driving, but this guide information is inadequate if it cannot drive enough. For this reason **LogicEX** is applied with flood rust or coarse spray, **LogicEX** is sprayed on the wall by about 30-50cm and sprayed to the drain. In this way, the wall cannot absorb the necessary amount of material with its natural roughness (different from each other) pores.



Always start over from top. Allow **LogicEX** product to flow about 30-50 cm on facades with normal suction capability. Place application strips underneath the sinking depth halfway, so that you are on more secure side in terms of covering coated surface.

The same applies if you are spraying, check your consumption! When you consume too much, you reduce the flow height!

LogicEX is applied to facade by flooding advantageous pressure boiler (garden watering) on wall surfaces. For doing this, the spray injection (nozzle) at the end of the spray nozzle is removed. Nozul pipe rests on wall as **LogicEX** against upward direction and is set to go a short way (as shown in the sketch) on the wall.

Wall Construction and Plaster

Very strong absorbent facades scrape painting, Dutch brick, limestone stone-cuts etc. Or deeply processed joints can be sprayed 2 times wet can be covered wet!

In such cases, operate with lower pressure so that the **LogicEX** is not dispersed strongly. You do not need a **LogicEX** application as much as the façade surface can. Use your working speed for the amounts specified for the **LogicEX** application below. This is sufficient for excellent façade protection. If you apply more, it will not hurt you, you will only spend extra money.

The facade paints with dispersion colors are problem free on the disperse dyes of **LogicEX** applications. In the same way, painted with facade painted applied with **LogicEX** which is problem free. The floor, which has been placed in an isophobic position, provides a perfect base for continuous application of paint, because it is no longer possible to enter the bottom of the paint.

Facade paints with mineral based paints

The use of mineral based paints on facade, with **LogicEX**, is only possible with priming emulsion (customary) lining; because hydrophobic floor pushes watery mineral paint.

Application of **LogicEX** on mineral based coatings is therefore possible and provides excellent protection against contamination.

However, mineral based paint should be left for ossification for at least 14 days, because salts dissociate in hardening reaction. Salts must be washed before proceeding to hydrophobic treatment, so that shutdown by **LogicEX** will be prevented.

Consumption Quantities

The consumption quantities of **LogicEX** are effective if it is less than the ability to absorb the ground.

Consumption should be avoided as it is 0,33 liters m², because it does not increase the effect but it only causes money to be spent.

Consumption Examples

Visual-Brick Wall 0,33 L Ìm²
Clinker rough 0,33 L Ìm²
Painted plastered facades 0,33 L Ìm²
Clinker (hard baked) 0,25 L Ìm²
Visual Concrete 0,25 L Ìm²
Painted facades 0,15 L Ìm²

Transportation

LogicEX is not a dangerous freight and therefore is not subject to any shipping restrictions.

PE (polyethylene), PP (polypropylene) or stainless steel supports are suitable. Unfit forks are PET and tin.

Working hygiene

In fact, although **LogicEX** does not have any irritating effect on skin until now, you should consider strong hydrophobic effect.

Wash skin areas immediately with soap and water. When using Isophob-F, wear safety goggles.