



DECORATIVE EFFECT

Effect of natural rusty sheet – owing to content of iron molecules the plasters gets naturally rusty (if exposed to action of appropriate factors). Allows for possibility of creation of individualized and unique decorations.

Resistant to repeated washing – when coated with varnish.

The decorative effect consists of:

- **BONDING PRIMER, PRIMER agent (alternatively)** – priming and strengthening coat
- **INDUSTRIAL RUST** – main layer of the EFFECT
- **RUST ACTIVATOR** – accelerator of the EFFECT formation
- **DECORATIVE VARNISH** – protective top coat – protects against abrasion, forms coating resistant to repeated washing, impedes the process of oxidation.

PROPERTIES

INDUSTRIAL RUST is a special, water dilutable acrylic plaster, manufactured on basis of high quality dispersion with addition of selected additives and special metallic fillers.

Ready-to-use – does not require additional preparation.

Perfect applicability.

Natural product offering perfect imitation of natural rust effect.

With magnetic properties – allows for magnets tacking.

Good bonding to various substrates.

USE

INDUSTRIAL RUST plaster is used for application of decorative effects on interior walls. Allows for decoration of contemporary and classic rooms. It is particularly recommended for residential houses and public access buildings (offices, service points, malls).

OBJECT TYPE	POSSIBILITY OF USE
residential housing	+
public access, healthcare, educational care	+
commercial and service infrastructure	+

INDUSTRIAL RUST EFFECT decorative corroding plaster

- gets naturally rusty
- contains iron molecules
- resistant to repeated washing

SUBSTRATE TYPE	POSSIBILITY OF USE
cement -lime, cement plasters	+
concrete (monolithic and prefabricated)	+
rough walls made of ceramic, silicate hollow blocks, bricks and cellular concrete	+
gypsum plasters, finishing coats and fillers	+
polymer finishing coats and fillers	+
plasterboards, OSB boards	+
acrylic paint coats	+

TECHNICAL DATA

Density	approx. 2.5 g/cm ³
Viscosity	approx. 60,000 (Brookfield 7/20 viscometer)
Paint preparation, substrate and ambient temperature during plaster application and drying	from +10°C to +30°C
Relative humidity during plaster application and drying	below 80%
Number of layers	1-2
Time of drying until grade 3 (temp. 23 °C ± 2 °C, relative air humidity 55 ± 5%)	2h PN-C-81519:1979
Application of the 2nd coat	after approx. 6 h*
Time of complete drying (operational use)	approx. 24 hours*

*The time shown in the table is recommended for the application in temperature 23°C and humidity 55% (approx.). In lower temperature and higher humidity this time can extend.

TECHNICAL REQUIREMENTS

INDUSTRIAL RUST plaster conforms to PN-EN 15824:2010 standard. EC Declaration of Performance No. FOX 225/CPR.

CE	PN-EN 15824:2010 (EN 15824:2009)
Decorative water dilutable plaster for use on internal walls, posts and partition walls	
Reaction to fire – class	C
Bonding	0.30 MPa
Thermal conductivity coefficient (average tabular value, P=90%)	1.28 W/mK ($\lambda_{10, dry}$) (EN 1745:2002 tab. A.12)
Release/ content of hazardous substances	See Safety Data Sheet

The product has been given the Hygienic Attest.



EFFECT APPLICATION

STEP 1 - Substrate preparation

The substrate should be:

- **appropriately sound,**
- **stabilized until air-dry** – assumed stabilization time for substrates is respectively (in standard conditions, i.e. approx. 20°C, humidity 55%, in other conditions this time can extend):
 - gypsum, cement, cement - lime plasters – min. 1 week for each 1 cm of thickness,
 - concrete walls and ceilings – min. 28 days.
- **dry,**
- **even** – any gaps should be filled with FINITO mass,
- **clean** – free from layers which would impair plaster bonding, especially dust, dirt, lime, oil, grease, wax, residues of paints and other,
- **primed:**
 - with PRIMER agent – for substrates of excessive absorptiveness,
 - with BONDING PRIMER – for substrates of poor absorptiveness or smooth surfaces.

Detailed requirements on substrate preparation.

SUBSTRATE TYPE	PREPARATION
Freshly applied cement – lime plasters	Apply effect after plaster stabilization (3-4 weeks)
Freshly applied concrete	Apply effect after approx. 1 month since concrete application
Freshly applied gypsum plasters	Apply effect after plaster stabilization (2 weeks)
Old distemper coatings and other poorly bonded coatings	Remove thoroughly
Fungous surfaces	Clean and protect with ATLAS MYKOS agent
Substrates of high pH	Prime thoroughly with BONDING PRIMER as alkaline pH can cause lack of uncontrolled rusting

STEP 2 – Effect application

Method 1 (Corrosion effect)

1. **Plaster application.** INDUSTRIAL RUST is a ready-to-use product. It must not be thinned with water. Mix well before use in order to unify its consistency. Apply the plaster smooth with a venetian plastering trowel.
2. **Activation of the process of corrosion.** RUST ACTIVATOR should be applied upon the plaster coat with an atomizer, a paintbrush, a sponge or a plastic sprayer. In case of large surfaces carry out application in sections – apply activator upon 1-2 m² of plaster. Apply activator uniformly upon the whole surface. It can also be applied additionally upon still moist plaster in individual points where more intensive corrosion effects is required. Leave to dry completely.

NOTE! The final effect depends on many factors:

Tool used for activator application:

- spraying with atomizer – effect with damp patches is formed,
- spraying with atomizer and patches troweling – uniform effect is formed,
- spraying with atomizer and taping with sponge – three-dimensional effect of uneven surface is formed.

Time of activator application:

- application of activator upon slightly dry surface gives orange – brown colours,
- application of activator upon wet surface gives light orange and yellow colours.

Amount and frequency of use of activator – damp patches are formed when greater amount of activator is applied.

Time of drying of activator – the slower the process of drying is the more discolored the effect gets.

It is advisable to carry out sample application in order to determine the method of activator application in particular ambient conditions (humidity, temperature, draught).

3. **Additional plaster coat.** In order to form more textured surface, after approx. 6 hours, it is possible to apply locally the second coat of plaster. It should be applied with a sponge. This way points imitating intensive sheet corrosion are formed. Just after application, the plaster should be sprayed with activator and gently tapped with a sponge.

Method 2 (Corten steel effect)

RUST ACTIVATOR should be added to INDUSTRIAL RUST and mixed thoroughly. Apply the plaster smooth with a venetian plastering trowel. When trowel marks are left on the plaster surface then slight discoloration of the final effect is formed. The effect of Corten steel is formed with plaster thoroughly smoothed.

Note! After mixing these 2 products the decoration should be applied within 2-3 days. After this time activation launches in a container and product hardens. In order to inhibit this process, in case of breaks in application, the surface of INDUSTRIAL RUST should be covered with foil added to the product packaging.

STEP 3 – Surface protection

A coat of DECORATIVE VARNISH - SATIN should be applied with a roller after min. 24 hours. In order to intensify the effect of corrosion, the process can be prolonged and the surface coated with Decorative Varnish after a week. The colour effect gets more intensive after coating with Decorative Varnish.

CONSUMPTION

Average consumption: 1 kg/1m². The actual consumption depends on substrate texture and absorptiveness, quality of substrate preparation, expected decorative effect, user's experience, number and thickness of layers, method of application.

IMPORTANT ADDITIONAL INFORMATION

- Due to great variety of substrates and application conditions it is advisable to make a sample board in order to set the colour and technique of application.
- Because of content of metal swarf and chemical reaction the product can have characteristic smell (recalling ammonia) during application.
- The final effect mostly depends of user's experience, tools used for application, amount of applied material. Coverage and other parameters listed in this data sheet are approximate and based on samples and tests carried out in optimum conditions (approx. +23°C and humidity 55%). In other conditions the effect parameters and appearance can differ. Do not accelerate the process of decoration drying as it limits the process of corrosion.
- Use products of the same manufacturing date upon an individual surface.
- Contains mix of Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dion, 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-on. May cause an allergic reaction. Keep out of reach of children. Air the room during painting and directly after until characteristic smell disappears. Use individual respiratory protection measures in case of insufficient ventilation. If swallowed: get immediate medical advice, show package or label. Follow the instructions of the Safety Data Sheet.
- Keep in tightly sealed original and labeled containers. Keep in dry and cool places, protect against overheating (> 30 °C) and freezing - the product freezes and irreversibly loses its performance in temperature below 0 °C. Protect against direct sunlight. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

PACKAGING

Plastic buckets: 8 kg.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

At the time of publication of this product data sheet all previous ones become void. Date of update: 2018-03-21