

MARMORIN

Decorative Wall Paste Coating (Stucco Antico)

MARMORIN EMULSION

Protective Wax Finish

ARTCOLOR

Decorative Wall Paste Transparent Coating
(Stucco Spatolato)

General Description and Fields of Application

The skilled craftsman can create beautiful wall surface decorations in various room environments, using decorative interior wall coatings.

MARMORIN

is a decorative paste coating intended for more sophisticated treatments of interior wall surfaces i.e. in banks, theaters, hotels, jewelry shops, confectioneries, beauty parlors and other business buildings. It can be also used as an aesthetic supplement to wall surface treatments of various residential environments.

The smoothness of the treated surface, partial transparency and typical structure of coating and trails of soft, hard, rhythmic or random trowel strokes give finished surfaces a touch of beautiful fantasy or a believing image of stone, leather, linen or wood.

Surfaces coated with MARMORIN can be finished with the MARMORIN EMULSION to improve their gloss, water repellence and ease of maintenance (cleaning with wet cloth).

Composition: Water-based acrylic binders, extenders, pigments, special additives.

Colour shades: white, different shades on the colour chart PAINTS AND PLASTERS (JUMIX System).

Tinting with JUPOL GOLD or ACRYLCOLOR (up to 2 - 3%) is also possible. Shades can be mixed together in any proportion.

ARTCOLOR

semi-transparent acrylic gel is intended for the exact same purpose as MARMORIN, but looks slightly different because of its different composition. Surfaces coated with ARTCOLOR are hygienically friendly, easy to maintain (can be cleaned with wet cloth) and first of all exceptionally beautiful. The surfaces can fit perfectly to simple and most sophisticated environments as well.

Composition: Water-based acrylic binders, extenders, pigments, special additives.

Colour shades: different shades on the colour chart PAINTS AND PLASTERS (JUMIX System) and also white (shade 1), gold (shade 2), silver (shade 3) and bronze (shade 4). Shades can be mixed together in any proportion, tinting with JUPOL GOLD or ACRYLCOLOR (up to 2%) is possible.

Substrate

MARMORIN and ARTCOLOR must be applied to specially prepared and quality substrate (mineral plasters, gypsum-cardboard, fiber-cement, particle boards and concrete).

Newly applied renders must be dried for 3-4 weeks (for each cm, at least 7 – 10 days, for concrete

the drying time is at least one month ($T = +20\text{ }^{\circ}\text{C}$, R.H. = 65 %). Substrate must be solid, dry and clean, without weakly bound particles, dust, oil remains or other filth. On previously painted surfaces, all loose, peeling and chalking paint must be removed. Remove all water dissolving coats, oil coats, lacquers and enamels. Surfaces infected with wall mildew must be disinfected prior to coating.

Use JUBOLIN or NIVELIN for smoothing. Harden the smoothed surface with less thinned or pure AKRIL EMULSION (AKRIL EMULSION : water = min. 2 : 1). The surface is ready for application of MARMORIN after 12 hour drying.

Application of MARMORIN

The most common technique is a "spatolato" application technique: First coat of MARMORIN is applied with special stainless steel trowel, or stainless steel smoothing trowel. The compound is applied cross-wised to achieve more or less relief structure. The compound can be applied also by using foam or short-bristle fur roller (thin the compound slightly with water if applying with a roller). The desired relief structure can be achieved by additional treatment of wet coating, with stainless steel trowel, sponge or some other accessory.

Remove excessive compound immediately using a trowel, only by exception leave the coating to

dry and sand it with fine-sand paper afterwards. With the same or similar technique apply at least two more coats on the basic coat. If desired you can combine different color shade compounds as well. Apply the next coat only when the previous coat is completely dry - in normal conditions usually after approximately 24 hours.

Never sand the final coat with sand paper, but polish it when it dries, using a stainless steel trowel. Strokes used for applying the compound to each layer will only then become more or less visible. The surface will get an interesting irregular gloss. Afterwards protect the polished surfaces with MARMORIN EMULSION, applied in one or two coats using a soft cloth or a sponge.

The other most common way of application of MARMORIN is a "thick-coat application technique". In this technique two or more different colour shades of MARMORIN are applied on the surface, using a stainless steel trowel, various painting rollers and other accessories, to achieve a "picture" of fantasy patterns or more or less believing or abstract texture imitations of stone, leather, linen, wood or other materials. Apply the different colour coats in stripes of various widths close together or separate them with thin coats of JUPOL GOLD or JUPOL BRILJANT or with MARMORIN (highly thinned with water). The

thickness of the applied compound should usually be 2-3 mm, but it can also be thicker. Thicker coats usually crack heavily during the drying process, which gives us additional decorative effect, especially if we fill cracks with MARMORIN of different colour shade. After the coat dries, sand it first with rough and later with fine sand paper and remove approximately 1 –2 mm of applied compound. Polish the sanded surface using a stainless steel trowel and protect it afterwards with MARMORIN EMULSION, using the same procedure as with the "spatolato" technique.

MARMORIN can be also applied in various different techniques, which are actually not craftsmen's but artistic treatments of wall surfaces. With the combination of different layers – painting with JUPOL GOLD, JUPOL BRILJANT or ACRYLCOLOR and applications MARMORIN, which we relief shape using various accessories, we create not only beautiful relief decorations, but also real works of art.

Consumption:
MARMORIN - "spatolato" technique of application: for the first coat app. 300 g/m², for every next coat app. 100 - 200 g/m². Other techniques of application: up to 1000 g/m² and more for each coat.

MARMORIN EMULSION is a water-based wax emulsion finish

intended for protection of the surfaces coated with MARMORIN. It improves the gloss and water-repellence of the surfaces and makes the maintenance and cleaning easier. MARMORIN EMULSION is applied in one or two coats using a soft cloth or a sponge. The application will slightly "soften" the structure and blur the sharpest textures on the surface. After the surface dries (app. after 6 hours), polish the finish coat with dry and soft cloth to high gloss.

Consumption: app. 50 ml/m² for one coat.

Application of ARTCOLOR

ARTCOLOR can be applied directly to fine-leveled surface. We achieve even better result if the surface is painted with JUPOL GOLD/BRILJANT prior to application. The paint must be applied in two-coats; a recommend application method is by spraying. Suitable substrate for application of ARTCOLOR are also all surfaces coated with MARMORIN in any way, if they aren't finished with MARMORIN EMULSION.

ARTCOLOR is usually applied in cross-wise strokes using a soft trowel, made of plastic or stainless steel. Application with a short-bristle painting roller and additional treatment of still-wet coats using sponge, cloth, brush or some other accessory is also possible.

It may be applied in one, two, three or more coats, where different colour shade compound

may be used for each coat application. Apply next coat only when the previous coat is completely dry - in normal conditions usually after approximately 24 hours. The thickness of individual coats may be different and they can be applied in same or different techniques.

The shine of the coloured surface through the semi-transparent, irregularly thick and coloured coats of ARTCOLOR and relief structure of the coated surface, give interesting aesthetic effect to treated surfaces.

Coverage:

Average coverage is approximately 200 to 300 g/m² for one-coat application; the actual coverage depends on the desired structure and application technique.

AKRILDEKOR

is interior wall paint intended to give the painted surfaces, both the total hygienic integrity and a distinctive decorative effect, and good protection against wear and tear.

It is especially recommended for decorative protection of more exposed wall surfaces (halls, staircases, classrooms, playrooms, schools, kindergartens and other public and also residential buildings. The AKRILDEKOR is without a distinctive odor and free of ecologically harmful and health hazardous ingredients; the treated surfaces are washable and give distinctive polychromatic look. The painted

surfaces can be easily cleaned with mixture of water and all-purpose domestic cleaning agents.

Composition: Water-based acrylic binders, extenders, pigments, special additives.

Colour shades: 13 shades on the colour chart AKRILDEKOR.

Substrate

The substrate may be any mineral-based, smooth, interior wall surface, painted with paint resistant to wet cleaning (JUPOL GOLD/BRILJANT or ACRYLCOLOR). The paint must have a good adhesion to the substrate and must be clean, free of dust, oily stains and other filth. If necessary, redecorate the surface, before application of AKRILDEKOR. AKRILDEKOR is applied on the dry precoat, by spraying only. We recommend that the colour of the precoat is adapted to AKRILDEKOR.

Application of AKRILDEKOR

Mix AKRILDEKOR well prior to application.

Among the products from different production batches or different dates of manufacture, eventual differences in colour shades are possible. When more than one container of paint is needed to cover the individual wall surface, avoid the irregular coloration by equalizing the paint in a large container of appropriate size.

AKRILDEKOR is sprayed on a completely dry basic precoat with a standard spraying gun with

“external mixing of air”. Spraying-nozzle diameter should be 2.5 mm and air pressure app. 3 bar. Tested with the following spraying systems:

Farbmeister W, Finish in Superfinish (WAGNER GmbH) and LM-92/K (SATA GmbH).

Hold the spraying gun perpendicular to the surface, maintaining a distance of 30 to 40 cm. Spray in cross-wise or circular motion to cover the surface as even and equal as possible.

Spray each wall surface without interruption, from one corner to the other. If the application is not “continued” from the corners, the transition will be visible and aesthetically unacceptable, due to the “paint covering”.

Wet coat has a muddy or “milky” look, eventual irregularities of the thickness are therefore noticed (as brighter or darker spots), when the coat of the AKRILDEKOR becomes dry and transparent.

Additional repair of the coated surface is not possible.

Consumption: app. 250 ml/m²

JUFIX SYSTEM

consists of **JUFIX glass fibre fabric**, fixed with **Jufix adhesive** and finished with interior paints JUPOL LATEX PAINTS, JUPOL BRILJANT or JUPOL GOLD. This decorative protection is intended especially for heavily exposed wall surfaces (halls, staircases) in public buildings. The surfaces can be easily cleaned with mixture of water and all-purpose domestic cleaning agents.

Fire safety of the system:

A 2 (DIN 4102-1)

Test report:

Nr. PZ-Hoch-06577-3

Prüfinstitut Hoch,

Fladungen Germany

Substrate

Jufix system must be applied to specially prepared and quality substrate (mineral plasters, gypsum-cardboard, fiber-cement, particle boards and concrete). Newly applied renders must be dried for 3-4 weeks (for each cm, at least 7 – 10 days, for concrete the drying time is at least one month ($T = +20\text{ °C}$, R.H. = 65 %)). Substrate must be solid, dry and clean, without weakly bound particles, dust, oil remains or other filth. On previously painted surfaces, all loose, peeling and chalking paint must be removed. Gloss surface (oil paints, lacquers or enamels) must be removed by sanding. Remove all water dissolving coats. Surfaces infected with wall mildew must be disinfected prior to coating. Surfaces, which are not smooth enough, must be leveled with

JUBOLIN or NIVELIN. Before application of the adhesive, prime the surface with thinned AKRIL EMULSION (AKRIL EMULSION : water = 1 : 1).

JUFIX ADHESIVE is a polymer water-based adhesive intended for fixing the fiberglass wallpapers to wall surfaces in dry areas. It is free of organic solvents, without distinctive odor and it is easy to apply. The adhesive is suitable for application to all absorbing, hard, dry and compact enough surfaces. Mix the adhesive well, before application. Only by exception it can be thinned with water. (max. 5%)

Application of Wallpapers

Apply the adhesive to the wall surface and not to the wallpaper using a long-bristle painting roller, brush or with spraying in stripes only couple of centimeters wider than double width of the wallpaper. Prepare and cut the wallpapers before application. Install them on freshly applied adhesive layer, so the wallpaper

edges lie close together. Pay attention to the pattern. Press the wallpaper gently to the adhesive layer and smooth out all air bubbles. Level the surface carefully with a special spatula and pay attention you do not deform the wallpaper. Adhesive pot life is approximately 30 minutes. After approximately 12 hours ($T = +20\text{ °C}$, R.H. = 65 %), the wallpaper must be protected with JUPOL LATEX PAINTS, JUPOL BRILJANT or JUPOL GOLD. When applying the first coat mix the paint with adhesive in ratio 1:1.

Consumption: for fixing: app. 200 - 300 g/m², depending on the absorption of the substrate, for painting: (first coat) app. 100 - 200 g/m², depending on the absorption of the wallpaper.

Application Temperature for Decorative Coatings

Air and surface temperature for application should not be lower than +5 °C and not higher than +35 °C, R.H. < 80%.

Technical Data

COATING	MARMORIN	ARTCOLOR	AKRILDEKOR
Density (kg/m ³)	1,54 – 1,65	0.91 – 1,10	app. 1,03
Consumption	100 – 300g /coat	200 - 300 g	app. 250 ml
Drying time: dry to recoat (T=20 °C, R.H. 65%)	app. 24 hours	app. 24 hours	4 – 6 hours
Water vapour transmission EN ISO 7783-2	μ value(-)	< 100	< 2500
	Sd value (m)	Sd<0,20 Class II, medium water vapour permeability	Sd<0,25 Class II, medium water vapour permeability
Wet Scrub Resistance EN 13300	Resistant Class 3	Resistant Class 3	Resistant Class 2

COATING	PACKAGING	STORAGE
MARMORIN	Plastic containers 8 kg, 30 kg	12 months, PROTECT FROM FREEZING, keep from direct sunlight.
MARMORIN EMULSION	Plastic bottles 500 ml	24 months, PROTECT FROM FREEZING, keep from direct sunlight.
ARTCOLOR	Plastic pots 1 kg	12 months, PROTECT FROM FREEZING, keep from direct sunlight.
AKRILDEKOR	Plastic containers 5 l	
JUFIX ADHESIVE	Plastic containers 10 kg	6 months, PROTECT FROM FREEZING, keep from direct sunlight.

Waste Handling

Liquid waste: **EWC: 08 01 12.**
Liquid waste must not be disposed together with domestic wastes, poured into water or in sewage system.

After hardening deposit as a construction waste:

EWC: 17 09 04

Packaging may be recycled after appropriate cleaning.

Tool Cleaning

Thoroughly clean all the tools with water immediately after use of decorative coatings.

Safety at Work

Consider general instructions and regulations for construction

and painting works. Special protecting means and measures for work safety, when using decorative interior coatings, are not necessary.

Link to Other JUB Products

See also Technical sheets:

01 Primers,
02 Leveling Compounds,
07 Washable Interior Paints,
15 Acrylcolor,
40 Jupol Latex Paints

Maribor, the dried coats of decorative internal coatings are not hazardous to health.

Quality Control

ISO 9001 and ISO 14001.
Factory production control and occasional testing at various independent professional institutions, home and abroad.

Health Integrity

Based on researches at the Institute of public health in

Technical instructions in this brochure are based on our experiences and are given as a guideline for achieving optimal results. We cannot take any responsibility for the damage, caused by incorrect choice of the product, incorrect use or unprofessional work. Minor differences in colour shades are possible among the equivalent paints from different production batches, however the shades do not vary from those in the colour charts for more than $\Delta E = 1,0$ and $\Delta a = 0,4$. The test for colour shade tolerances must be performed on standard test cardboard after the coat dries. Colour shade variations, caused by application of the paint on surfaces with different coarseness and absorbing properties, cannot be subject to any claim. We reserve the right to change the technical data of our products without notice as a result of our own development work or as a result of other technical progress. This technical sheet supplements and replaces all preceding editions.
November 2006

This Technical sheet supplements and replaces all preceding editions; we reserve the right to make eventual changes or additions. August 2006

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SIQ
ISO 9001 Q-159
ISO 14001 E-034

