



RM-V

Mineral-polymer façade

CHARACTERISTICS

RM-V is one-component white powder used for decoration and protection of internal walls and ceilings. It could be used for external walls where facility is pretty well protected from precipitation (wider overhangs etc.).

Based on standard EN 998-1, it has been classified as GP (general purpose façade).

It is available in two structures: full (1mm; 1.5mm and 2mm) and ribbed (2mm).

COMPOSITION

Mineral fillers, cement, calcium-hydroxide, polymer binder, additives.

TECHNICAL CHARACTERISTICS

Parameter	Value
Bulk density (EN 1097-3)	≈1320 kg/m ³
Compressive strength after 28 days (EN 1015-11)	CS IV (≥6 N/mm ²)
Flexural strength after 28 days (EN 1015-11)	≈2.7 N/mm ²
Capillary water absorption by capillarity (EN 1015-18)	W1 (≤ 0.4 kg/m ² · min ^{0.5})
Water absorption (EN 1062-3)	W2 (0.1-0.5 kg/m ² · h ^{0.5})
Water vapour diffusion coefficient, μ (EN 1015-19)	60 g/m ² · d
Adhesion strength on substrate (concrete surface) (EN 1015-12)	≈1.05 N/mm ²
Thermal conductivity coefficient, λ _{10°C, dry} (EN 1745)	0.5 W/m · K

SUBSTRATE PRAPARATION

Substrate needs to be hard, dry, free of dust, grease and other impurities.

Cement and cement-lime mortars should be minimum 14 days old and concrete substrates at least 1 month. All coatings should be removed from old substrates and surface should be dusted afterwards in detail (wash with warm water if necessary). Larger uneven surfaces should be patched and filled with appropriate flattening masses. Before application of RM-V, wall is to be impregnated by product PODLOGA UNIVERSAL. Key coat PODLOGA KVARC also is binding connection between substrate and used material in order to create stronger connection and decrease its consumption.

APPLICATION

Use approx. 5.8 l of water and add bag of 25 kg of RM-V. Use slow speed mixer and mix it until homogenous compound is formed. Leave material as such rest for about 5 minutes and mix it again. Compound workable for 2-3 hours. Application of RM-V is performed by rust proof metal throwel, in grain thickness, in order to get grainy structure on the surface. A few minutes later (depending on temperature), façade surface is treated with plastic throwel or hard polystyrene,





in circles, and even it with clean throwel if desired. Material is applied equally and without interruptions on continuous surfaces in order to avoid unevenness due to surface connections. If we take into consideration a multi-floor facility, façade is applied without interruptions on one side of the facility starting from upper to lower floors. After application (approx. 7 days of drying) in normal temperatures, it could be painted in one of façade colours (acrylic, silicate or silicone) for external walls or in colour for internal walls (Molerin).

Optimum air and wall temperature for work and drying is from +5°C to +25°C

Avoid working in direct sunlight, wind and rain. Use protective curtains.

Wash tools with water immediately after use.

Note: Application of façade in lower temperatures could cause film problems (dispersion, insufficient strength etc.). If façade is applied in higher temperatures, or direct sunlight, it could result in micro-cracks causing faster damage, i.e. shorter façade lifetime. In such a case, material has a shorter work time and it is more difficult to apply it (connections are differentiated etc.).

CONSUMPTION

Full structure	1 mm	≈ 1.8 kg/m ²
Full structure	1.5 mm	≈ 2.3 kg/ m ²
Full structure	2 mm	≈ 2.8 kg/ m ²
Ribbed structure	2 mm	≈ 2.5 kg/ m ²

PACKAGE

Paper bag 25 kg

LIFETIME

12 months in original, well-sealed and undamaged package.

WASTE TREATMENT

Pursuant to the Law on waste management ("Official Gazette of the Republic of Srpska", number 111/13 and 106/15), Rulebook on waste categories, tests and classification ("Official Gazette of the Republic of Srpska", no. 19/15), mineral façade is classified as waste with the following classification number

17 09 04 (mixed waste from construction and demolition other than those listed in 17 09 01, 17 09 02 and 17 09 03). Contaminated waste should be delivered to waste management authority.

LABELLING

Pursuant to Regulation (EC) No. 1272/2008 classification, labeling and packaging



of substances and mixtures, product is classified as hazardous.



Hazard class and hazard category: - Skin irrit. 2
- Skin sens. 1
- Eye dam. 1

Signal word: *Danger*

Product identifiers:

Compound contains: Portland cement clinker (CAS number: 65997-15-1).
Calcium-hydroxide (CAS number: 1305-62-0)

Hazard statements:

H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H318 – Causes serious eye damage.

Precautionary statements:

P102 – Keep out of reach of children
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310-Immediately call a POISON CENTER or doctor/physician.
P333-P313-If skin irritation or rash occurs: Get medical advice/attention
P501 – Disposal of contents /container in accordance with local/ national/regional/international regulations.

STORAGE

Store it in dry and ventilated rooms in original package.
Protect from contact with humidity.

QUALITY CONTROL





TECHNICAL DATA SHEET TL.C.19.01

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Parameters of the product quality are defined pursuant to internal product specifications. Achieving declared values is ensured by integrated system of quality management ISO 9001. Verification of declared and limit values are achieved through tests in certified laboratories. Significant importance is paid to protection of environment through integrated system of quality of environmental management ISO 14001.

OTHER INFORMATION

Different batches of different production date could be different in whiteness due to natural origin of used raw materials. We need to perform equalization (evenness) in a vessel big enough in order to avoid whiteness differences.

In case application or esthetic lacks are noticed in installation, contractor is to stop the works immediately and duly inform the producer, who, hence, shall deal with complaint.

If a larger part of whole of amount of material is applied, complaint is not possible.

It is understood that contractor is aware of product characteristics and the way of its application.

Company Colorit doo shall not assume the damage caused due to contractor's unprofessionalism, wrong application or wrong choice of product for given purpose.

Technical Data Sheet is meant for guideline in order to achieve the best results in application only.

Read safety data sheet before use of product.

