



V2030

COLORNAL MAT acrylic water-soluble matt quick-drying top paint



Colour shades: According to the valid price list, 20 basic shades.

Use: COLORNAL MAT V2030 is intended for a variety of durable (new and repair) exterior and interior coatings of metals (zinc-plated, aluminium, copper, steel), wood, wood chipboards, mineral substrates (concrete, masonry, plasters, stone), fibre-cement boards, unglazed ceramics, paper and cardboard. COLORNAL can be used directly on older and new zinc-plated surface and copper, without base, and also on selected types of plastics (Formica, ABS, hard PVC, polycarbonate, polystyrene). Adhesion to aluminium must be tested in advance, otherwise use the AQUAREX primer. Steel must be provided with the AQUAREX anti-corrosive primer. COLORNAL can also be used for coating interior concrete floors, where a slight walking (mechanical) load is applied (it has a certificate for anti-slip property of floors). The coat has a high resistance to weather and UV radiation (it does not turn yellow), dries quickly and creates a permanently highly flexible and durable film, which is also suitable for surface treatment of roofs (sheet metal, concrete or fibre-cement roofing).

The resistance of COLORNAL coating is also evidenced by the certificate for direct contact with dry food and it is also suitable for coating toys and products for children under three years. It meets the conditions of Annex No. 7 to Decree of the Ministry of Health of the Czech Republic No. 84/2001 Coll. as amended by Decree No. 521/2005 Coll.

An application to non-absorbent, smoothed concretes and concretes treated with gravel sand levelling compounds reduces (may reduce) the adhesion and mechanical resistance of the coating film. For these specific applications, we therefore always recommend performing a practical test under real conditions.

The paint is not intended for coatings that come into direct contact with drinking water – it has not been tested for this purpose.

Advantages:

- one paint for various surfaces – for metal (zinc-plated, aluminium, steel, copper), wood, concrete, ceramics
- also directly on zinc plating (even new one) and copper – without a primer
- for selected plastics – Formica, ABS, hard PVC, polycarbonate, polystyrene
- certificate for direct contact with dry food
- certificate for surface treatment of toys and products for children under three years of age
- certificate for anti-slip floors – for non-demanding concrete floors
- for roof treatment – sheet metal, concrete or fibre-cement roofing
- high water resistance – e.g. coatings of unglazed ceramics, Formica
- fast drying – everything done in a day
- easy application without the need for dilution
- highly flexible and durable protective film
- smooth matt appearance
- excellent covering power
- odourless

Substrate preparation: Before application, all materials must be degreased and free of any dirt, grease, residues of wax, dust, etc. They must also be dry, mature, solid, coherent and smooth.

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Special attention and preparation must be paid to old coatings. We recommend sanding previous functional layers with an abrasive paper before applying V2030.

Metal (steel): First, apply the AQUAREX V2115 anti-corrosive primer in 1–2 standard coats to a properly prepared surface (clean, degreased and especially free of any corrosion products). Allow the base coat to dry for at least 5 hours and apply two standard coats of COLORNAL at the minimum intervals of 5 hours.

(*aluminium*): The adhesion to aluminium must be tested in advance. If the adhesion is excellent (after 24 hours), the procedure is the same as for zinc-plated surface coating. If the adhesion is unsatisfactory, use the AQUAREX primer as for steel coating.

(*zinc, copper*): When coating a zinc-plated surface (new and older one) or a newer copper surface (without a layer of copper rust), it is possible to apply COLORNAL directly, without a primer, in 2–3 standard coats with an interval between the coats of at least for 5 hours.

Wood (and wood-based materials): The wood must be clean, dry, healthy, undamaged and properly smooth. For new surfaces, remove any resin areas (e.g. using the C6000 thinner), sand the surface (P150-P220) and dust off. Maximum humidity of wood can be 12%. For exterior, first protect the wood with a biocidal impregnation agent, e.g. LIGNOSTOP, for interior, it can be impregnated with diluted AQUACOL PRIMER V2070 primer (approximately 30% of water), or directly with V2030, also diluted for better penetration to the wood. After proper drying (at least for 3–4 hours), sand the surface with a fine sandpaper and apply two standard coats of COLORNAL at a minimum interval of 5 hours.

Mineral substrates (concrete, plasters, masonry, unglazed ceramics): – thoroughly remove any non-adhesive and unsuitable paints and mechanical impurities; level surfaces that has not been treated yet by removing big grains of sand and by sanding (P40-P60 abrasive paper or pumice stone) and by refilling of smaller cracks. Mineral bases must be sufficiently solid, mature, dry and damp-proof. First, treat absorbent substrates with a suitable penetration such as EKOPEN or S2802A or diluted V2030 (up to 1:1 with water). After proper drying (at least for 3–4 hours), apply two standard coats of COLORNAL at a minimum interval of 5 hours as standard.

The use of COLORNAL on special and smoothed concretes, and concretes treated with gravel sand levelling compounds, should always be tested by a practical test (adhesion and mechanical resistance of the coat). V2030 is only suitable for normal walking loads; it cannot be used, for example, for surfaces exposed to abrasion, aggressive substances or permanently wet. Before using the floor, it is necessary to let the overall coating cure at least for 3 days.

Roofing (concrete, fibre-cement): Perfect preparation of an old roofing is very important and cannot be underestimated. It is therefore necessary to clean it of any impurities, grease, non-stick and dusting layers of roofing and old coatings, and especially of all biological overgrowth (mosses, lichens...). To remove any biological overgrowth from the roofing, but also from the façade, it is suitable to use FACADE CLEANER V1920 and subsequent washing with pressurized water. In the first protective step, it is necessary to impregnate the roofing carefully – we recommend the EKOPEN deep penetrating agent, and to ensure the total saturation of the porous surface of the roofing in one coat. After drying, i.e. at least for 4–5 hours, it is necessary to apply two standard coats of COLORNAL at a minimum interval of 5 hours.

The coating should not and cannot address an emergency condition of the roofing itself (incoherent, crumbling and cracking roof tiles and forms).

Plastics (Formica, ABS, hard PVC, polycarbonate): Plastics need to be cleaned very well, degreased and lightly sanded with a P240-P320 sandpaper or abrasive wool. Usually, apply two standard coats of COLORNAL at a minimum interval of 5 hours. Before using, it is necessary to let the overall coating cure at least for 3 days.

With plastics of unknown composition, e.g. recycled, softened plastics, various laminated surfaces etc., the adhesion of the V2030 paint to the base must be tested in advance.

V2030 is not suitable, for example, for coating polypropylene (PP).
We recommend sanding previous functional layers with an abrasive paper before applying V2030.

Application: Brushing, roller coating, spraying in 1–3 layers, in an interval of 5 hours (20 °C) at an optimal temperature (ambient air, substrate and paint) of 15–25 °C and an optimal relative humidity of 50%. During application, the temperature must not fall below 12 °C and exceed 30 °C and the maximum air relative humidity is 75%. The ground temperature must exceed the dew point by at least 3 °C in order to prevent moisture condensation. Stir the paint properly and/or thin with water as required prior to application.

Thinner: Water

An example of the coating process:

- **Coating of metal (steel, aluminium) using an anticorrosive primer**
 1. 1x SQUAREX V2115, drying: 5 hours
 2. As required, light sanding with abrasive paper No. 240–320
 3. 1–2x COLORNAL V2030 at an interval of 5 hours
 - **Coating of metal (zinc, copper, aluminium*) – direct application, (*for aluminium, it is necessary to test adhesion)**
 1. 1x COLORNAL V2030, drying: 5 hours
 2. As required, light sanding with abrasive paper No. 240–320
 3. 1–2x COLORNAL V2030 at an interval of 5 hours
 - **Coating of wood – exteriors**
 1. 1x LIGNOSTOP (PROFI or HOBBY), drying: 24 hours
 3. 1–2x AQUACOL PRIMER V2070, drying: 4 hours
 4. sanding (intermediate sanding) with abrasive paper No. 150–180, cleaning of the substrate
 5. 2x COLORNAL V2030 at an interval of 5 hours
 - **Treatment of concrete, wood in interiors (dry, mature and clean)**
 1. 1x COLORNAL V2030 thinned with water up to 1:1, drying at least for 3 hours
 2. light sanding with abrasive paper No. 120–150 (as required)
 3. 1–2x COLORNAL V2030 at an interval of 5 hours
- Note:** The prescribed drying times are applicable at a temperature of 20–23 °C.

Properties of the paint:

Outflow time (cup of Ø 6 mm)	20–40 s
Density	cca. 1.20–1.32 g/cm ³
Drying against dust	1 hour maximum
For common handling	5 hours maximum

Note: The prescribed drying times apply at temperature of 23 °C and relative air humidity of 50 %.

Dried paint properties:

Gloss – gloss number (GU, at a geometry of 60°)	max. 20 (matt)
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Theoretical spreading rate: 9–10 m² in one coat from 1 litre of the paint with the dry coat thickness of 40 µm

Packaging: As per the current offer.

Shelf life: At temperatures of 5–25 °C for the duration of the warranty period indicated on the package of the paint. **ATTENTION: the product must not freeze!** Protect against frost during transport and storage.

Disposal: Containers/unused product should be handed over to a person authorised for disposal of wastes or to a hazardous waste collection point established by the local authorities.

Product classification:

Signal word: **none**

For details, see the Safety Data Sheet of this product.

“The user is responsible for correct use of paints or for the composition and correct application of a paint system, i.e. the user must always consider all circumstances – conditions of application and processing that could affect the final quality of surface treatment.

A complaint relating to a colour shade can be acknowledged only under the condition of a previously prepared test coating on a small area, in accordance with the mandatory technological process, which accompanies the complaint. No claims filed after using up the product will be taken into consideration. COLORLAK, a.s. reserves the right to change data in technical and advertising materials without any prior notice.”

“The technical recommendations contained in this Catalogue Sheet are given based on our experience and best knowledge of the state of the art in science and practice; they are not binding and they do not constitute any obligations unless expressly defined in the purchase contract.”

Marketing, 8/2026

