TECHNICAL DATA SHEET

Item number: 0503-750-XXX0

Product name: MULTIMETAL

MULTIMETAL

Description: A one-component quick drying alkyd primer-topcoat that provides an enamel finish with anti-corrosive protection. The coating of good adhesion, flexible, resistant to weather and mechanical conditions. It does not require the use of a primer. The product is offered in RAL color palette or according to individual customer needs.

CERTIFICATE of the Medical University of Gdańsk issued by the Division of Environmental Toxicology - hygienic certificate No 412/322/421/2017.

National Technical Assessment issued by the Road and Bridge Research Institute in Warsaw no IBDiM-KOT-2020/0610 edition 1

RECOMMENDED USE

As a topcoat on:

- structures utilized in rural, industrial and urban environments
- metal elements
- railings, fences, handrails, ornamented steel rods
- waste disposal bins
- home furnishings (sanitary installations, fittings, etc.)
- steel gates, gratings, wrought iron furniture, garden ornaments
- elements of farming machinery

TECHNICAL PROPERTIES

 Density, kg/dm³ 	1,3
 Recommended film thickness per one coat, dry/wet, μm 	50/80
 Drying time (at 20°C): 1 degree (dust free), min 	15
3 degree (dry-to-touch), min	30
 Theoretical coverage at 50μm film thickness, dm³/m² 	0,09
 Solids (±2), % by weight 	70
 Solids (±2), % by volume . 	58
 VOC in a ready-to-use product, g/l 	385
 Recommended number of layers 	1-2

GLOSS: eggshell

COLOR: selected colors consistent with RAL or individual client's samples



PRODUCT APPLICATION

Stir paint thoroughly (if a skim is created on the surface of the paint it should be removed)

Application methods:

- airless spraying: Ø0.33 ÷ 0.38; pressure 100 ÷ 120 bar; air guard 2 bar
- brush
- pneumatic spray (after dilution to a viscosity of approx. 40s according to DINØ4 cup),
 nozzle 1.8 ÷ 2.2 mm, pressure 2 ÷ 4 bar, distance 15-20 cm

Thinner: item number 8001, 8002, 50-103. Amount of thinner 0-10% by volume.

Time to apply the next layer of enamel at 20 \pm 2 ° C:

Spray, brush - it is recommended to apply within 1 - 5 hours from the application of the previous layer.

APPLICATION

Surface- the higher degree of surface cleanness the longer period of paint durability. The paint achieves the highest chemical and mechanical resistance when applied directly on steel that was sand-blasted or shot-blasted to at least Sa $2 \frac{1}{2}$ * cleanness degree.

Steel surface should be cleaned to St 3* cleanness degree (manual cleaning or with the use of power tools) i.e: the surface should be dry, free from salt, grease and dust. There must be no oil, grease, dust, poorly adhering mill scale, rust, paint coating or other impurities on the surface.

* Additional information on surface preparation can be found in ISO 12944-4 i ISO 8501-2.

ADDITIONAL INFORMATION

The minimum thickness of MULTIMETAL must not be less than 120 μ m to ensure the C3 corrosivity class and L durability of the steel substrate.

Painting and curing conditions

- the surface to be painted must be dry
- the temperature of the environment, the surface to be painted and the paint should be higher than + 5C and at least 3°C higher than the dew point temperature (to avoid condensation)
- relative air humidity below 80% during painting and drying
- good ventilation

National Technical Assessment issued by IBDIM No IBDiM-KOT-2020/0610

SHELF LIFE: 12 months from the production date in original unsealed container.

The above information cannot be considered complete or comprehensive. This information is based on laboratory research and practical experience and is to the best of our knowledge. As a manufacturer, we are not able to monitor the conditions in which the product is used, as well as many factors affecting the final effect of its use. We are not responsible for any damage caused by using the product in a manner inconsistent with the recommendations or for inappropriate purposes. We reserve the right to change the instructions without prior notice.

WARNING! This product is designed for professional use in the given industry. Detailed information regarding product safety can be found in the MSDS.

alma-color_®