

Muralex

Extra washable, premium quality acrylic water-based paint,
for interior and exterior use.



Mod. 51 Rev 64

Date of update 11/12/2019

CHARACTERISTICS:

Scrub-resistant emulsion paint composed by innovative acrylic resins, titanium dioxide and/or lightfast pigments, special additives which guarantee its ease of application, perfect adhesion to the substrate, and elevated bactericidal-fungicidal action. It has excellent coverage and opacity. It creates on the surface a velvety, compact and resistant film, which once dry, provides great resistance to washing with ordinary detergents and to the action of atmospheric agents. **MURALEX** is non-flammable, odourless, water repellent. **MURALEX** qualifies for green credits according to LEED® and Green Building Council (GBC) certifications. **MURALEX** is available in 5 bases colourable with **COLORPLUS®** tinting system.

The low environmental impact of the product in all phases of its life cycle is proven by its **Environmental Statement** which shows the LCA (Life Cycle Assessment) study. Formaldehyde and formaldehyde donors were not intentionally added to the formulation of this product.

USES:

For its characteristics **MURALEX** is commonly used for the protection and decoration of interior walls where an elevated resistance to washing and wear is required and on exterior walls. After adequate surface preparation, **MURALEX** can be applied on: cement plaster, concrete, precast concrete (free of oils), gypsum, asbestos cement, old paint (washable, oil-based, lime-based), wood, masonite, galvanized sheet iron etc.

PREPARATION AND APPLICATION:

Scrape, brush and remove old paint or loose plaster. Make sure that the surface is sound, dry and clean. Treat any humidity infiltration in advance.

INTERIOR WALLS: fill any hole and crack and smooth imperfections with **PLASTUC TIPO A** or **STUCCO IN POLVERE MP**. Surfaces contaminated by mould must be treated in advance with **MUROSANO RISANANTE**. Let it act for at least 8 hours. Apply a 1st coat of **PRIMER A** or **SMARTCOAT 0.1 mm** as base coat and wait 3-4 hours before proceeding. Apply **MURALEX** by brush, roller or airless spray in 2-3 coats. Wait 5-6 hours between each coat.. Dilute 1st coat with water 20-30% by volume and 2nd coat and any subsequent coat 10-20%.

EXTERIOR WALLS: erect the scaffolding so as to allow continuous application until an architectural interruption. Scrape, brush and remove any element that is not well-adherent to the substrate.

New substrate: remove all traces of dust and dirt, make sure that there is no humidity and that the plaster is perfectly cured in order to avoid stains. If the substrate is not perfectly sound and compact, consolidate it by applying 1 coat of **RESINPOL**. If the substrate is sound, apply a 1st coat of **PRIMER A** or **SMARTCOAT 0.1 mm**.

Renovation: on old paint and coatings, in case the substrate is deteriorated and/or does not guarantee sufficient adhesion, remove it mechanically or with a paint remover. For all exterior renovations, perform a high pressure washing and treat the surface from contaminants with **MUROSANO RISANANTE**. Let it act for at least 8 hours. Apply a first coat of deep-penetrating consolidating primer **RESINPOL**. Treat in advance any efflorescence and/or humidity and water infiltration with specific treatment. In case of cracks or micro-cracks and widespread substrate imperfections, we recommend to first apply **INTOCEM PLUS** or **INTOCEM ETICS** and wait until the material is perfectly cured before proceed with application of one coat of **PRIMER A** or **SMARTCOAT 0.1 mm**.

Apply **MURALEX** by brush, roller or airless spray in 2-3 coats. Wait 5-6 hours between each coat.. Dilute 1st coat with water 20-30% by volume and 2nd coat and any subsequent coat 10-20%.

IMPORTANT NOTES:

- Before beginning application, make sure that the surface is perfectly dry and cured and is perfectly anchored to the substrate. Surface must be free from dirt, oil, contamination by mould, fungus, bacteria, efflorescence or anything else that could compromise adhesion or the successful outcome of the job.
- Protect the containers from freezing (minimum + 5°C)
- Store in a cool, dry place. Do not expose to direct sunlight.
- The temperature of both the work environment and the background should be between + 8°C and + 35°. Relative humidity must not exceed 75%.

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- Prevent drying of the product at temperatures of either the work environment or the background below + 5°C
- Do not use the product when there is the likelihood of rain, in direct sunlight, strong winds, or persistent fog.
- Protect the treated surfaces from driving rain for as long as necessary for the complete seasoning of the product.
- Arrange the scaffolds in such a way as to allow continuous application until architectural interruptions to avoid the formation of joints, overflows and colour differences.
- Obtain enough of the colour in a single batch to complete the job or at least to complete portions of work which do not draw attention to shade differences.
- Wash all tools with water immediately after use.

TECHNICAL DATA:

Dilution	20-30% first coat 10-20% second coat
Coverage per coat on:	
Plasterboard and skimcoat	0.060- 0.070 l/m ² - 14-17 m ² /l
Plaster	0.075- 0.100 l/m ² - 10-13,5 m ² /l
Old paint	0.060- 0.080 l/m ² - 12-17 m ² /l
Drying time at 20° C	Dust dry 30' - 1 h, In depth 4-6 days Overpaint 5-6 h.
Volume solids at 105°C	65.54 ± 1%
Viscosity (UNI EN ISO 2555:2002)	6500 ± 1000 CPS
Density (UNI EN ISO 2813:2002)	1.50 ± 0.05 Kg/l
pH	9 ± 1
Gloss index (UNI EN ISO 2813:2002)	Very matt (reflectance < 5G at 85°)
Grain size (UNI EN ISO 1062-1:2005)	Fine
Hiding power at 7m ² /l (UNI EN ISO 6504-3:2007)	99.74% Class 1
Wet-scrub resistance (UNI EN ISO 11998:2006)	Ldft=4.84 micron Class 1
Water vapour transmission rate (UNI EN ISO 7783-2:2001)	Sd=0.0775 m thickness=515 µm µ=151 Class V1 = High permeability
Liquid water permeability (UNI EN 1062-3:2008)	W=0.479 kg/(m ² h ^{0.5}) Class W2=medium permeability
Packages	14 l - 4 l - 1 l
Bases	A-B-C-Y-R
Colours available	White, "NCS-Index", "I Colori del Colore" "Armonie d'Interni"

Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:

a) "matt coatings for interior walls and ceilings":

Limit Phase II (from 01/01/ 2010): 30g/l

VOC: 18 g/l (max).

The information contained herein is the result of scrupulously controlled tests and expresses our best and most up-to-date knowledge. Moreover this information is intended for informational purposes only. The manufacturer cannot be held responsible for the improper use of these products, nor does the information contained herein provide a pretext for disputes of any type. This is also in light of the fact that the working methods employed are beyond our control.

Please refer to the relevant Safety Data Sheet.