

TECHNICAL SPECIFICATIONS GUIDELINE

HYGIENIC SYSTEM FOR WALLS 8300

Solvent-based acrylo-vinyllic mould resistant coating.

CHARACTERISTICS

- One-component
- Applicable down to -10°C
- Fast drying
- High humidity resistant
- Long term fungicidal efficiency
- Dirt pick-up resistant gloss finish, easy to clean
- Application on slightly humid substrates possible

ACCEPTABLE SUBSTRATES

CONCRETE

Surface condition

New concrete must dry and cure for 30 days as a minimum prior application of the coating system. In compliance with usual standard, mass humidity should not exceed 6%. This will be checked by use of a humidity tester, or with a taped plastic sheet under which no formation of condensation should be observed overnight. Walls must be isolated in order to prevent moisture pressure. Surface must be clean and can be slightly humid during application.

TILES

Surface condition

Tiles should be well-adhered to the substrate, which will be checked using a rubber mallet. Tiled walls must be isolated to prevent moisture pressure. Surface must be clean and dry prior and during application.

STEEL

Surface condition

Steel substrates must be properly supported to avoid warping, which could cause the coating to work and lead to cleavage.

A: Steel substrate extensively covered with adhered mill scale but with few or no rust at all.

B: Steel substrate that has started to rust and whose mill scale has started to delaminate.

C: Steel substrate from which mill scale has disappeared under action of rust, or that can be removed by scrapping, but showing some rust cankers visible by naked eye.

D: Steel substrate from which mill scale has disappeared under action of rust, or that can be removed by scrapping, but showing a lot of rust cankers visible by naked eye.

NON-FERROUS METALS

Surface condition

Surfaces must be made up of solid and non-deformable structures.

PANELS

Surface condition

Plastic substrates should be in good condition. Plastics such like polyester, hard PVC, polystyrene, ABS, can be painted. PTFE, silicones, polyethylene, polypropylene and derived cannot be painted, as well as plasticizers containing synthetic panels.

OLD COATINGS

Surface condition

Old paints and coatings should be perfectly adherent and compatible with a solvent-based acrylo-vinyllic system. In case of doubt, carry out a test on a small control-surface. Compatible glossy coatings will be sanded mechanically.



SURFACE PREPARATION

GENERAL

Remove any dust, debris etc ; degrease and eliminate any contamination by alkaline cleaning with Cleaner-Degreaser RUST-OLEUM ND14 or high pressure cleaning combines with appropriate detergent, followed by thorough rinsing and full drying. In case of presence of mould (moss, lichens etc), decontaminate concerned surfaces with AMW Concentrate, followed by thorough rinsing and full drying. For severely contaminated areas, it is recommended to double the fungicidal treatment.

CONCRETE/MINERAL

New mineral substrates will be scrubbed to remove loose particles, efflorescences will be removed by mechanical means or high pressure cleaning.

TILE

See General.

PANELS

See General.

After cleaning, sand old coatings and hard plastics in good condition to promote adhesion.

RECOMMENDED WORKING PROCEDURES

PRECAUTIONS

During application and first phase of drying (\pm 4 hours), a high humidity and/or condensation can cause a lower quality and performance of the paint.

Although Rust-Oleum 8300 system has low odour, it is recommended, during its application, to store food or food products in a separate room. Mobile equipment will be moved away from the area of paintworks execution.

REPAIRS

Concrete :

Surface imperfections, holes, cracks etc in the concrete will be repaired with appropriate RUST-OLEUM repair products: Elastofill ou Elastopro sealant, Epoxy Putty 5412 for small repairs, mortar Pegacrete mortar for bigger repairs.

Tile :

After checking, unsound tiles will be removed and replaced by new identical tiles with new grouting, or by patching with Pegacrete mortar.

Panels :

Replace les damaged synthetic panels. Repair worn areas with Epoxy Putty 5412.

PRIMERS

Porous mineral substrates will receive a coat of Primer-Sealer 8399.

Very smooth and non-absorbing substrates such like tile and synthetic panels will receive a coat of adhesion primer RUST-OLEUM 3333

Severely rusted steel parts will be touched up with Antihumid Rust Primer 769. Metal surfaces including galvanized steel and non-ferrous metals will receive a coat of Metal Cladding Primer, with double coat on rusted areas.

APPLICATION CONDITIONS

Temperature of air, substrate and product should be between -10°C and 35°C, and relative humidity below 85%. Substrate temperature will be 3°C superior to dew point. Below 0°C, surface should not be frozen.

Product mixing: mix the paint with a slow speed electric mixing machine, maximum 300 rounds/minutes), until homogeneous result is obtained.

Consult technical data sheets for details on drying times, induction times, pot-life, dilution and recommended application methods. Consult safety data sheets for any information related to safety during use of products.

BACK TO SERVICE

Depending on temperature, most of acrylo-vinyl coatings will be hard after 4h. However the coating remains vulnerable to the action of humidity, detergents and chemicals, until full hardness is reached. It is therefore necessary to take precautions on the coating system as a consequence for at least 3 days. During application and drying, solvent-based coatings require good ventilation ; in closed spaces, a forced ventilation is required

to avoid solvent retention in the paint film. Best results are obtained when product is applied at an average temperature of 20°C (air, substrate), and when relative humidity can be maintained below 85%. To the extent that hardening of product is a chemical reaction between its two components, temperature plays an important role ; full hardness is reached after about 8 days et 20°C.

SURFACE MAINTENANCE

A RUST-OLEUM 8300 system can be maintained by cleaning with a neutral detergent or alkaline detergent diluted with water. On metal, in case of rust reformation, it is advised to not postpone repair, to prevent any growth. To ensure continuous hygienic and anti-mould protection, surfaces should be cleaned with appropriate detergents on a regular base.

SYSTEMS OVERVIEW

ANTICORROSION SYSTEMS								
SUBSTRATES	CONCRETE/MINERAL		TILE		METAL		PANELS	
	Moderately aggressive exposure	System :	D.F.S. :	System :	D.F.S. :	System :	D.F.S. :	System :
Primer (1)	8399	35 µm	3333	15 µm	769/MC Primer	35 µm	3333	15 µm
1st coat	8300	35 µm	8300	35 µm	8300	35 µm	8300	35 µm
2nd coat			8300	35 µm	8300	35 µm	8300	35 µm
Total film thickness	70 µm		85 µm		105 µm		85 µm	
Aggressive exposure	System :	D.F.S. :	System :	D.F.S. :	System :	D.F.S. :	System :	D.F.S. :
Primer (1)	8399	35 µm	3333	15 µm	769/MC Primer	35 µm	3333	15 µm
1st coat	8300	40 µm	8399	40 µm	8399	35 µm	8399	35 µm
2nd coat	8300	40 µm	8300	40 µm	8300	40 µm	8300	40 µm
Total film thickness	115 µm		95 µm		115 µm		90 µm	

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Available colours and pack sizes: See the relevant product page at www.rust-oleum.eu for actual available colours and pack sizes.

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