

TECHNICAL SPECIFICATIONS GUIDELINE

FAST BALCONY SYSTEM

Watertight system for balconies and walkways

CHARACTERISTICS

- Ultra fast drying and curing : walkable after just 1h30
- Unique polyurethane-polyaspartic technology
- Two coats system
- Low solvent content, low odour
- Possible reinforcement with glass fiber matting for maximum durability
- Aluminum oxide antislip additives for safety and punching resistance
- Packaging adapted to the average size of balconies

ACCEPTABLE SUBSTRATES

MINERAL SUBSTRATES

Surface condition

Mineral substrates, such like concrete, fibro-cement etc, will be in good condition and of solid structure; roof should be isolated in order to prevent humidity rising. 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. Surface must be clean and dry during application.

BITUMINOUS SUBSTRATES

Surface condition

Bituminous substrates will be aged of at least one year, and perfectly adhered to their supporting structure. All kinds of bituminous substrates, including modified ones, are compatible, and do not require specific primer.

OLD WATERPROOFING COATINGS OR PAINTS

Surface condition

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

Following old waterproofing coatings are compatible :

- Acrylic
- Polyurethane
- Poly-urea
- PMMA



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.

RECOMMENDED WORKING PROCEDURES

PRECAUTIONS

During application and first phase of drying (\pm 1 hour), coating is sensitive to low temperatures and high humidity and/or condensation, which can delay the evaporation and drying process, and possibly cause formation of a wet film on surface of the paint, which can result in alteration of the intercoat adhesion, and that can only be removed in a mechanical way (abrading). Do not apply if rain is imminent or expected.

PREPARATION

It is recommended to define with tape the surface to be treated per packaging . This will allow to better control product consumption and respect less recommended quantities, making possible necessary adjustments on the job.

For an optimal organization, it is advised to start with the details and difficult areas as those are more time consuming, since they require reinforcement, either with installation of a fleece or with a special fibers-containing coating.

REPAIRS (CONCRETE)

Surface imperfections, holes, cracks etc in the concrete will be repaired with appropriate RUST-OLEUM repair products: Pegacrete mortar, Elastofill sealant, Noxyde Tape. ... following depth of repair to be carried out.

SYSTEM COMPOSITION

RUST-OLEUM FAST BALCONY SYSTEM system consists in a basecoat reference 9720, two-pack moisture activated high solids polyurethane, drying with air humidity, and a topcoat reference 9740, based on a high solids polyaspartic resin. System will be reinforced with the installation of a glass fibers matting SDGF 100, either laid into the wet Basecoat, or on the substrate prior to application of Basecoat, applied with roller, then embedded into the matting with a special glass fiber roller. After application of the topcoat, the structure of the fleece must be totally invisible. If not, apply more product. Where there is no parapet or masonry railing support, the complete system will overlap the vertical slab edge and will be extended down to the waterdrop-break groove in the underside of the balcony. Reinforcement with glass fiber fleece is mandatory for walkways or balconies with severe cracking problems, or in case a guarantee is required. aluminium oxide anti-slip additives FBS300-FBS600 must be broadcasted to saturation on the wet Basecoat 9720, at about 1 kg/m², excess product will be swept or vacuumed. Topcoat 9740 will encapsulate and seal the additive.

PRIMERS

Porous mineral substrates will be primed with RUST-OLEUM polyurethane Stabilizing Primer 3377.

APPLICATION CONDITIONS

Temperature of air, substrate and product should be between 3 and 35°C, and relative humidity below 85%. Substrate temperature will be 3°C superior to dew point.

Product mixing: mix base material 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.

SURFACE MAINTENANCE

It is owner's or occupant's responsibility to carry out regular inspections of the balcony or walkway and do required maintenance in order to preserve the coating in best conditions possible. A RUST-OLEUM Fast Balcony System can be maintained by cleaning with alkaline detergent RUST-OLEUM ND14 concentrated at 3 to 10% in water, depending on how dirt is the surface.

SYSTEMS OVERVIEW

WATERPROOFING SYSTEMS FOR BALCONIES

SUBSTRATE	CONCRETE/MINERAL		BITUMEN	
Simple system	System :	D.F.S. :	System :	D.F.S. :
Primer	3377	30 µm	-	
1st coat	9720(2)	700 µm	9720(2)	700 µm
2nd coat	9740	170 µm	9740	170 µm
Total film thickness	900 µm		870 µm	
Reinforced system (1)	System :	D.F.S. :	System :	D.F.S. :
Primer	3377	30 µm	-	
Reinforcement	Fleece SDGF 100		Fleece SDGF 100	
1st coat	9720(2)	700 µm	9720(2)	700 µm
2nd coat	9740	170 µm	9740	170 µm
Total film thickness	900 µm		900 µm	
Remarks :				
(1) Concerns all walkways, balconies of all size with severe cracking, and any project with guarantee required.				
(2) Broadcasting of atislip additives on wet 9720.				

GUARANTEES

For FAST BALCONY SYSTEM, a 5 years good behaviour guarantee on the product can be proposed, with an possible extension to 10 years.

PROCEDURE

For every guarantees, it is mandatory to respect following procedure :

- Site visit and diagnostic by RUST-OLEUM representative
- Set-up of a specification approved by RUST-OLEUM Technical Service, including Project Declaration Form to be filled by Contractor, in two copies.
- After 5 years, Contractor will contact Rust-Oleum to organize inspection of the objects, in order to determine their condition define possible necessary repairs to carry out and confirm the extension to 5 years more.

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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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