

CONSTRUCTION PROCESS GUIDE

Waterproofing balcony with protective coating using **Neoproof® Pu360**

WATERPROOF PROTECTIVE COATING

Waterborne polyurethane

**Solution
safe**
FOR ROOF DECK / BALCONY

Rate: 1-1.2kg/m²/2 coats

Elongation: ~ 300%

Adhesion: > 2.5N/mm²



INSTRUCTIONS FOR CONSTRUCTION STEPS

1. SURFACE PREPARATION

- Surface must be clean, free from flaking, contamination, or grease.
- The surface must be completely dry and free of standing water before waterproofing.



Unfinished concrete surface



Use a grinder to polish the concrete surface



Patching concrete surfaces with Neorep repair mortar



Concrete surface achieved

2. HUMIDITY MEASUREMENT

- Construction conditions: Surface moisture must be < 4%, air humidity < 80%.
- Apply at temperatures from +10°C to + 35°C.



Concrete surface moisture ≥4% not reached



Concrete surface moisture <4% achieved

3. CHECK WEATHER FORECAST

- Construction conditions: No Rain for 5-7 days

4. PIPE COLLAR TREATMENT CONSTRUCTION



Chisel around the pipe neck, insert foam or formwork below the pipe neck



Clean the neck of the pipe, wrap the expansion bar



Grouting Construction Lemax Grout LM-G650



BS 8620S Sealant Injection around Pipe Neck

5. WATERPROOFING CONSTRUCTION



Step 1:

Clean concrete surface before construction



Step 2:

Apply Revinex primer mixed with water (ratio 1:4).
 Consumption: 0.05 kg/m²
 (Primer must be stirred with a slow speed mixer for 3 minutes before application,...)



Step 3:

Apply the first coat (mixed with 5% water) after 2 hours of finishing the primer.
 Consumption: 0.5-0.6 kg/m²
 (the main material must be stirred with a slow speed mixer for 3 minutes before application, ..)



Step 4:

Reinforce Neotextile fabric at the base of the wall while the first layer is still wet to increase tear resistance.



Step 5:

Apply the second coat (pure), after the first coat has been applied for 12 hours.
 Consumption: 0.5 - 0.6 kg/m²



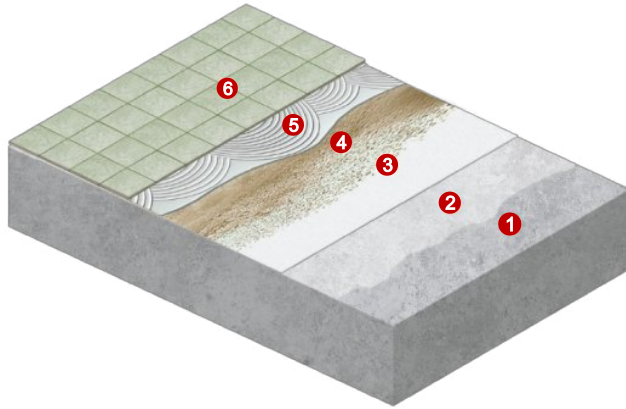
Step 6:

Tiling with Ultra Bond tile adhesive after the material has completely cured after 7 days.

SPECIAL NOTE

- Do not apply Neoproof® PU360 when rain is present or forecast.
- The draability of a waterproofing system is proportional to the total dry membrane thickness, which can be achieved through the application of an additional layer or layers.
- In the case of application under tiles, plasters, etc., quartz sand should be sprinkled during the application of the final layer of the product, while the product is still wet, to enhance the adhesion of the subsequent tile adhesive, plaster, etc. After Neoproof® PU360 has cured, any debris should be removed with a high-powered vacuum cleaner.
- Do not soak in water until the material has completely hardened (before 7 days).

SYSTEM STRUCTURE


**WATERPROOFING UNDER TILES
 BALCONY / TERRACE**

- 1 Cement base
- 2 Lining material: **Revinex®** mixed with water (ratio 1:4)
- 3 Waterproof layer: Neoproof® PU360
- 4 Quartz sand (sprinkled)
- 5 Ultra Bond Tile Adhesive
- 6 Tiles

Neoproof® PU360 consumption: 1.0-1.2 kg/m²/ 2 layers

IMAGES OF MAIN PRODUCTS, ACCESSORIES AND CONSTRUCTION TOOLS

Neoproof® PU360	Revinex® / Silatex® Primer	Neotextile® NTP Fabric
Neorep - Repair mortar	Sealant BS 8620S / Jointex®	Lemax LM-G650 Grout
Lemax Ultra Bond Tile Adhesive	Brush, Roller / Agitator	Pressure Washer / Sprayer

Note: To ensure the highest quality and longevity of the project, customers must comply with the construction process, standards, and construction methods provided by the manufacturer.