CONSTRUCTION PROCESS GUIDE

Waterproofing wastewater treatment tanks using **Neopox® CR**

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 < 70%.
- Apply at temperatures from +12°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

Hotline: +84 904 093 533 Email: info@waterproofmark.com • www.waterproofmark.com

4. PIPE COLLAR TREATMENT CONSTRUCTION

Chamfer around the neck of the pipe

- Clean, wrap the expansion bar
- Apply Revinex bonding agent (mix with water in a ratio of 1:4)

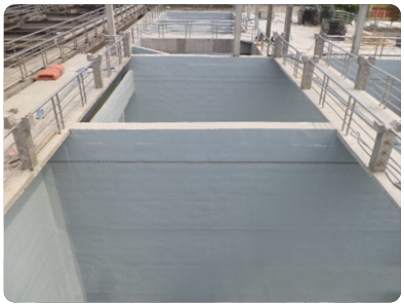
Construction of formwork and pouring of mortar Lemax Grout LM-G650

Patch and finish the surface with Neorep repair mortar

5. WATERPROOFING CONSTRUCTION

Step 1:

Clean, patch and repair the surface.
Ensure surface moisture <4%



Step 2:

*Apply **Acqua Primer NP***
Consumption: 0.16kg/m²
mixed with 25-30% clean water.
(Primer material must be stirred with a slow speed mixer for 3 minutes before application)

Step 3:

*Apply 1st layer of **Neopox® CR** (pure)*
Consumption : 0.33-0.4 kg/m² (component A must be stirred thoroughly for about 1 minute. Then mix component B with component A in ratio 7.5A:2.5B according to quantity and stir for about 3 minutes with a slow speed mixer until the mixture is homogeneous.)

Step 4:

*Apply 2nd layer of **Neopox® CR***
after 24 hours
Consumption : 0.33-0.4 kg/m² (pure)

Step 5:

Finished Surface (Material fully cured after 7 days)

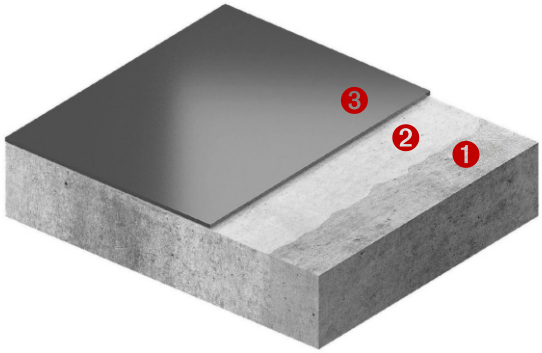
SPECIAL NOTE

- **Neopox® CR** should not be applied in damp conditions, or if damp conditions are expected to occur during the application or curing period of the product. Increased humidity may have a negative impact on adhesion, film properties and/or the final result (e.g. matt, sticky surface)
- The components should not be stored at very low or very high temperatures, especially before mixing. Mixing and stirring should preferably be done in the shade. Mixing should be done by machine and should not be done manually with a stirrer, etc.
- Do not stir the material too much to minimize the risk of air bubbles. Once the mixture has been mixed, the material should be applied immediately to avoid high temperatures causing the material to harden in the bucket.
- Due to the nature of the material, the final coating is exposed directly and continuously to UV radiation which can cause peeling over time. Therefore, the product should not be applied to exposed items.

Hotline: +84 904 093 533 Email: info@waterproofmark.com • www.waterproofmark.com

- In case the time between successive coats is long (> 36 hours), it is recommended to lightly sand the surface of the previous coat to avoid possible adhesion problems of the next coat.
- Soak in water to check for permeability after 7 days.

SYSTEM STRUCTURE



WATER PROOFING CROSS-SECTION OF WASTE WATER TANK

1. Concrete surface
2. Primer: **Acqua® Primer**
3. **Neopox® CR** epoxy coating

Consumption **Neopox® CR:** 0,66 - 0,8kg/m²/ 2 layers

IMAGES OF MAIN PRODUCTS, ACCESSORIES AND CONSTRUCTION TOOLS

		
Neopox® CR	Acqua® Primer NP	Grout Lemax LM-G650
		
Swelling tape	Neorep - Repair mortar	Sealant BS 8620S / Jointex®
		
Agitator	Brush / Roller	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.

Hotline: +84 904 093 533 Email: info@waterproofmark.com • www.waterproofmark.com