

Technokolla Complete Waterproofing System

SWIMMING & SPA POOLS

Tiled & Plastered Finishes



TECHNOKOLLA®

We know the problems

- Continuous submersion in chlorinated / salt water
- Sudden temperature changes and expansion of materials
- Use of waterproofing products that degrade over time
- Tile or stone that is unsuitable in size or composition for swimming pool use
- Installation without adequate grout joints

And we can solve them

- Assessing the substrate is essential before any tiling work begins
- Use flexible adhesives and grouts that can withstand continuous submersion in alkaline environments
- Select waterproofing products that offer long-term durability and are resistant to ageing or degradation over time
- Always review the data sheets for the chosen tile or stone to confirm any limitations of use
- Tiles must be installed with a grout joint of no less than 4 mm to accommodate movement and ensure proper sealing



Project

-SKIMMING

Use **GAP** for skimming (if necessary) with fiber-re-inforced technical plaster for preparing indoor and outdoor substrates. Thicknesses from 3 to 20 mm by Technokolla.

Consumption: 1.6-1.7 kg/m² per mm of thickness.

-WATERPROOFING

Waterproofing coat to be formed using a carbonation-inhibiting, cement-based plaster compliant with category **CM O2P** in accordance with **EN 14891**, using either **RASOLASTIK ADV** (two-part) or **RASOLASTIK EVO** (single-component) by Technokolla. Apply the product thickly with a fleece roller or brush to form the correct layer in two coats to achieve a total dry thickness of 3 mm. All corners, edges, penetrations, and expansion joints must be reinforced using Techno Tapas mesh, integrated between coats of membrane to ensure continuous waterproofing. Approximate consumption (depending on substrate condition and application technique). Rasolastik ADV 1.6 kg/m² per mm of thickness Rasolastik EVO 1.2 kg/m² per mm of thickness

-TILE LAYING

Cladding the pool shell with tiles up to 1100 cm² in size shall be installed using a high-performance cement-based adhesive classified as **C2TE S1** in accordance with **EN 12004**, such as **TECHNO STAR** by Technokolla.

For tiles larger than 1100 cm², a high-performance two-component adhesive system shall be used, comprising **TECHNO STAR** mixed with **TC-LACTIC** additive, achieving a classification of **C2 TE S2** in accordance with **EN 12004**.

When installing glass mosaics, the system must consist of **TECHNO EPOSTUK** a two-component epoxy grout compliant with **EN 12004** – R2T classification.

All installations must include a grout joint of at least 4–5 mm, filled with **TECHNO SKYCOLOR EVOLUTION**, a two-component epoxy grout compliant with **EN 13888** – RG classification.

Product consumption rates:

TECHNO STAR and **TC-LACTIC** (1:1 with water): approx. 5 kg/m² and 0.7 kg/m² respectively **TECHNO EPOSTUK**: approx. 5 kg/m²

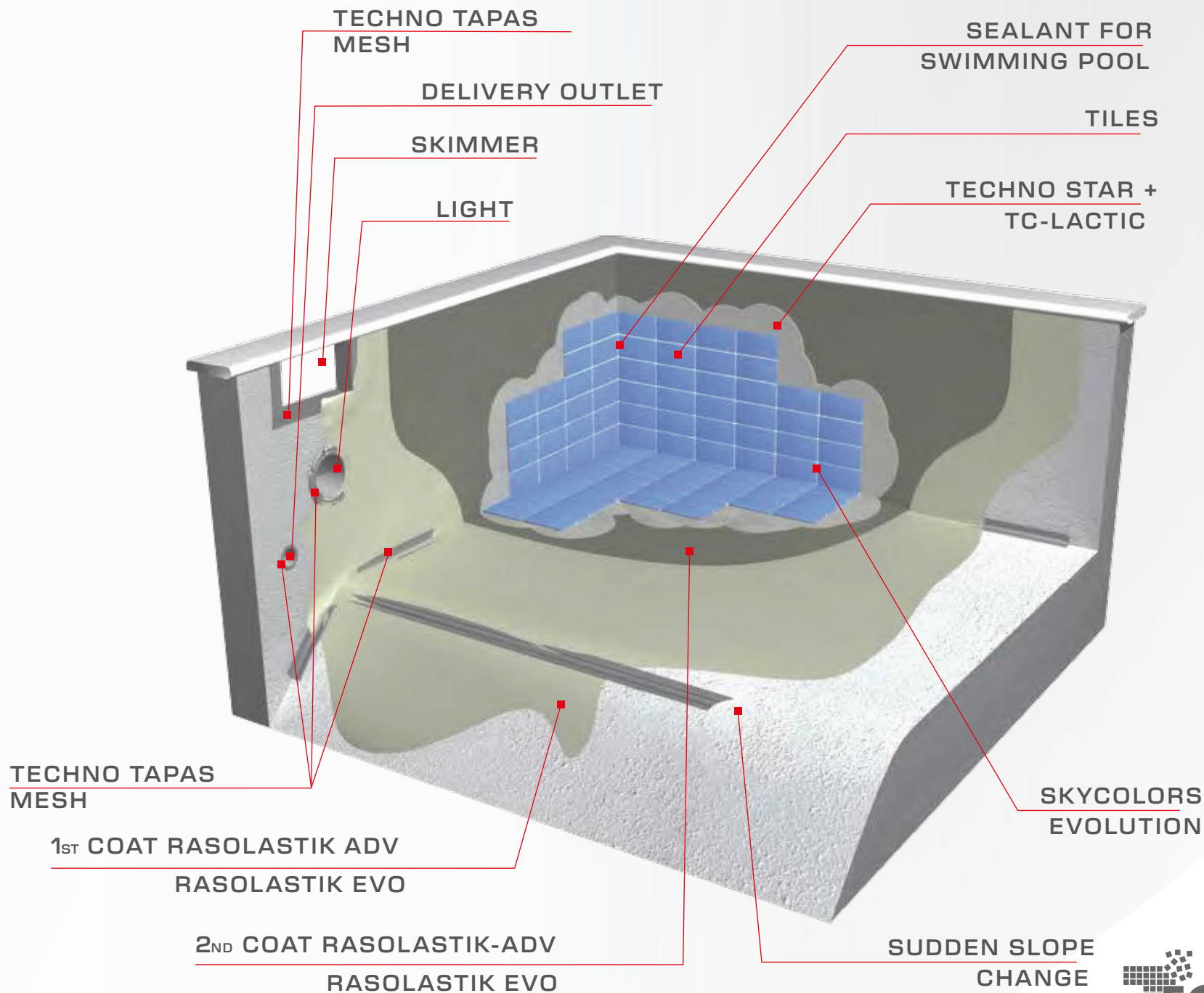
Grout consumption:

Approx. 1.8 kg/m² for tile size 12 × 24 cm with 10 mm grout joint
Approx. 1.5 kg/m² for mosaic size 2 × 2 cm with 2 mm grout joint



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skimming

Gap



Fibre-reinforced cement-based plaster, for outdoor and indoor application from 3 to 20 mm (**GAP**). Any substrate skimming with **GAP** must be carried out before applying the waterproofing system.

Compliant with European standard **EN 13813**, category **CT C12 F3**.

waterproofing

Rasolastik ADV



RASOLASTIK ADV associated with the bandage **RL 80 S** makes for a waterproofing system that ensures greater durability over time.

RASOLASTIK is compliant with **EN 14891** of cat. **CM O2P**.

As an alternative, the **RASOLASTIK EVO** product can be used.



Techno Tapas Mesh

spotlight product (alternatives)

bonding agent and adhesive

Techno Star + with Tc-Lactic



The **TECHNO STAR +** adhesive mixed with the **TC-LACTIC** latex makes for a high performance two-component system, category **C2 TE S1** in accordance with **EN 12004**, offering the ideal level of performance for this type of application.

LOW-VOC product tested by **EUROFINS**.

spotlight product (alternatives)

waterproofing alternative

adhesive alternative

Skycolors Evolution



Two-component epoxy grout with delicate and harmonious finishes, for grout lines from 1 to 15 mm. Available in 15 colours. One of five glitters can be added to the product, for a total of 85 different colour shades. For settings of high aesthetic value.

Compliant with class **RG** in accordance with European standard **EN 13888**.

Rasolastik-Evo



Fibre-reinforced, cement-based single-component mortar for waterproofing and protecting concrete. **RASOLASTIK-EVO** conforms with European standard **EN 14891 CM-O1P**.



Techno Tapas Mesh

Techno Epostuk



TA two-component epoxy sealant featuring high chemical resistance and workability for 3 to 15-mm joints and fixing mosaics to swimming pools. It is ideal for industrial environments subject to aggressive chemicals.

TECHNO EPOSTUK meets **ISO13007**, **EN12004**, and **EN13888** requirements.

The complete COLOUR RANGE of Technokolla grouts can be found in the cover appendix.

Technical drawings

