# SANDPOOL

QUARTZ-AGGREGATE COATING SYSTEM FOR SWIMMING POOLS

FOR SUBMERGED POOL SERVICE

SEAMLESS MINERAL FINISH

STRONG EPOXY BOND

TEXTURED QUARTZ SURFACE

## PRODUCT DESCRIPTION

SANDPOOL is a decorative pool-lining system combining selected pigmented quartz aggregate with a two-component epoxy resin formulated for submerged service. The compacted aggregate creates a natural, tactile appearance while the resin provides cohesion and adhesion to the correctly prepared waterproofing layer.

The system is designed for professional application on swimming-pool floors, walls, steps and similar permanently immersed surfaces. Performance depends on a stable pool shell, compatible waterproofing, correct resin selection and full curing before filling.

## KEY BENEFITS

- Continuous decorative finish with natural quartz texture.
- Epoxy binder developed for aquatic and submerged exposure.
- Strong bond between the quartz aggregate and prepared substrate.
- Suitable for horizontal and vertical pool surfaces with the correct resin grade.
- Compact, durable surface with a pleasant tactile character.
- Multiple aggregate colours for residential and commercial pool design.

## TECHNICAL DATA

| | |
|---|---|
| Approx. resin consumption | 0.7 kg/m² |
| Approx. quartz consumption | 5 kg/m² |
| Typical mixed consumption | 6-7 kg/m², depending on substrate |
| Aggregate size | 0.7-1.3 mm |
| Recommended thickness | Approx. 5 mm |
| Full curing | 7 days before immersion |
| Application temperature | 10°C to 30°C |
| Declared reaction to fire | M-1 · UNE 23721:1990 |

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# SANDPOOL

POOL SHELL PREPARATION AND WATERPROOFING

## GENERAL SUBSTRATE REQUIREMENTS

- The pool shell must be structurally sound, stable, cohesive and correctly shaped for drainage and circulation.
- The surface must be clean and free from dust, grease, oils, laitance, release agents, salts and poorly bonded coatings.
- Repair cracks, honeycombing, voids and irregularities before waterproofing. Active or structural cracks and movement joints require project-specific detailing.
- Resolve rising damp, negative hydrostatic pressure and water ingress from behind the pool shell before installation.
- Confirm compatibility between the shell, repair mortar, WATERSTOP 2C, bonding layer and SANDPOOL system by a representative test area.

## CONCRETE OR GUNITE SUBSTRATES

**WATERPROOFING WITH WATERSTOP 2C**

Apply two complete coats of WATERSTOP 2C in accordance with its technical data sheet. Reinforce cracks, corners, penetrations, changes of plane and other critical areas as specified. The cured waterproofing layer must be continuous, sound and suitable to receive the SANDPOOL bonding layer.

## EXISTING GLASS MOSAIC OR TILE

Inspect adhesion and condition of the existing finish. Remove loose, hollow, contaminated or unstable tiles. Where a sound covering is retained, degrease and mechanically prepare it, then apply the WATERSTOP 2C system. Embed suitable mesh in the first coat and cover with a second continuous coat.

**BEFORE COATING**

Allow the waterproofing system to cure completely. Check continuity, adhesion, dryness and surface regularity. Do not use SANDPOOL to bridge active cracks or compensate for defective waterproofing.

# SANDPOOL

MIXING AND APPLICATION

## MIXING PROCEDURE

### 1 PREPARE THE BINDER

Use a clean container with at least 25 litres capacity. Homogenise Component A, add Component B in the specified ratio and mix mechanically at low speed until uniform. Avoid air entrainment.

### 2 ADD THE QUARTZ AGGREGATE

Add the complete aggregate quantity gradually while mixing continuously. Continue until every particle is evenly wetted and the mixture has a consistent colour and texture. Do not alter the supplied system ratio.

### 3 CONTROL THE BATCH

Prepare only the amount that can be applied within the binder working time. Keep component temperature, batch size and mixing time consistent throughout the project.

## HORIZONTAL AND VERTICAL APPLICATION

### FLOORS, STEPS AND HORIZONTAL AREAS

Spread with a flat trowel or stainless-steel spatula to approximately 5 mm. Compact and level the aggregate to obtain a continuous, even surface without voids. Follow the pool geometry and maintain the required falls and details.

### VERTICAL POOL WALLS

Use SANDPOOL RESIN WALL. Apply the specified resin bonding layer with a notched trowel, then place the mortar from bottom to top. Work in manageable sections and compact carefully to prevent sagging, voids and aggregate loss.

### FINISHING AND SEQUENCING

Smooth and retouch shortly after placement with a clean trowel lightly dampened with isopropyl alcohol. Masking tape may be used to divide work areas; remove it before the resin hardens and remake the edge only after the adjoining section is dry and compact.

# SANDPOOL

CURING, SEALING AND POOL MAINTENANCE

## CURING BEFORE IMMERSION

Protect the freshly installed lining from rain, condensation, dust, traffic and standing water. Allow the complete SANDPOOL system to cure for at least 7 days, or for the longer period stated in the selected resin and sealer documentation, before filling the pool.

**DO NOT FILL THE POOL BEFORE FULL CURING**

Premature immersion may permanently affect adhesion, colour and surface performance.

## SEALING

To close the granular texture and facilitate cleaning, protect SANDPOOL with the LUNIK sealer recommended for permanent immersion, diluted chlorine exposure and the required finish. Apply the specified number of coats and consumption according to the selected sealer technical data sheet.

## WATER CHEMISTRY AND MAINTENANCE

- Maintain free residual chlorine between 1 and 2 ppm.
- Maintain pool-water pH between 7.2 and 7.8.
- Avoid shock treatments, concentrated chemicals or direct contact with undiluted products on the lining.
- Inspect the coating and sealing system regularly, especially at steps, waterline, fittings and high-wear areas.
- Renew the protective sealer when wear or increased absorption is observed. Five years is only an indicative maintenance interval and depends on use and treatment.

# SANDPOOL

AGGREGATE COLOURS, SAFETY AND STORAGE

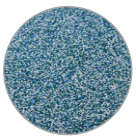
## STANDARD AGGREGATE COLOURS



**WHITE SAND**



**BEIGE SAND**



**GREEN**



**LIGHT GREY**



**BLACK**



**DARK GREY**



**RED**



**BLUE**



**WHITE**

Colours are indicative. Confirm the final shade and texture with a sample made using the selected resin and sealer.

## SAFETY AND TOOL CLEANING

Ensure good ventilation and wear chemical-resistant gloves and safety glasses. Avoid skin and eye contact and do not swallow. Clean tools immediately with the cleaning agent specified for the epoxy resin. Once hardened, the material can only be removed mechanically. Consult every component safety data sheet.

## STORAGE

Store components in their original sealed containers between 10°C and 30°C, in a dry, ventilated place away from heat and direct sunlight. Shelf life is 12 months from manufacture when correctly stored. Observe product labels and safety documentation.

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