

SWIMMING POOL PRODUCT RECOMMENDATION

Processing

Concrete tank and its substrate shall be prepared according to TCA and TTMAC standards. Shot blasting or water blasting is recommended to remove sludge and any imperfections created by concrete forms. Prior to the application of waterproofing membrane fix any concrete irregularities with Servocret RS priming substrate first with Okatmos® UG 30 or Okatmos® DSG. Do not prime Servocret RS after it's installed. In case of properly prepared concrete surface without use of Servocret RS follow these instructions: prime concrete substrate with Okatmos® UG 30 or Okatmos® DSG diluted with water 1:1. Installation of cementitious waterproofing membrane Servoflex DMS 1K Plus SuperTec may begin after primer/bonding agent is completely dry (approximately 30 min -1 hr).

1. Grout Options

- a) Okapox royal wall & floor
- b) Servoperl royal (chlorine based pools only, check chemical resistance chart prior to installation)

2. Acrylic Modified Flexible Cement Mortar

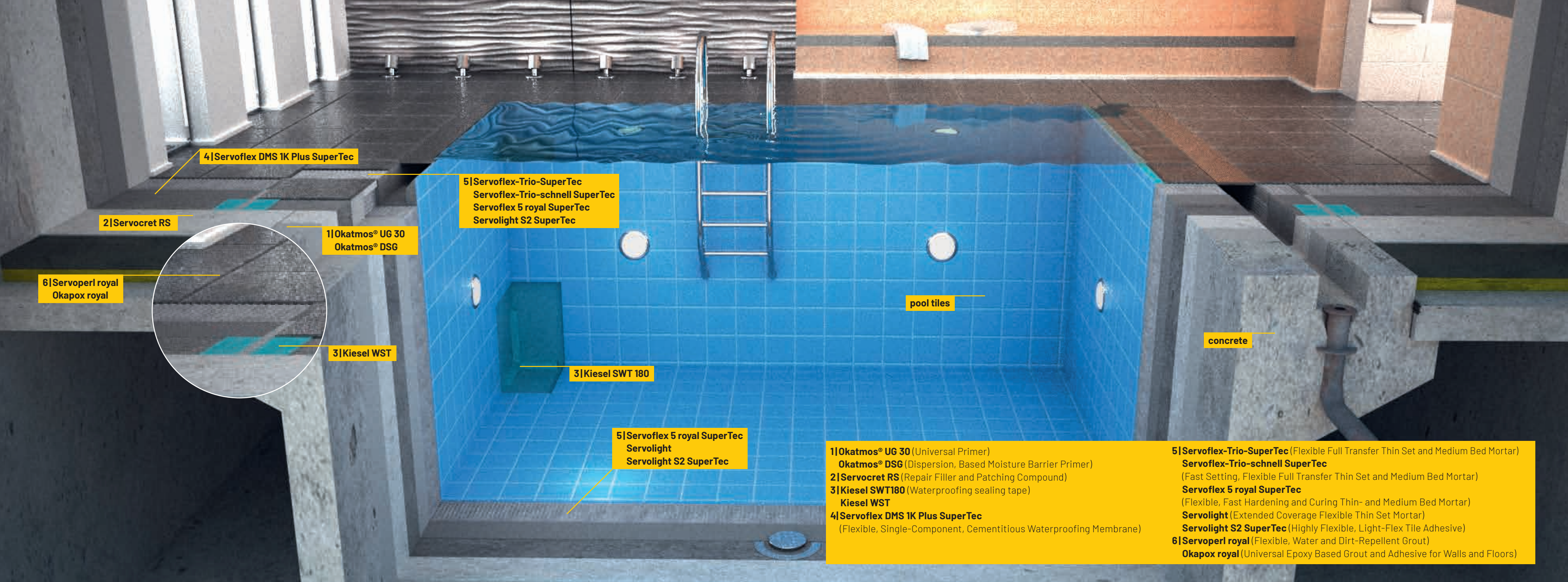
- a) Servolight S2 SuperTec
- b) Servolight
- c) Servoflex 5 royal SuperTec

3. Flexible Waterproofing Membrane

- a) Servoflex DMS 1K Plus SuperTec



Key to quality installation



4|Servoflex DMS 1K Plus SuperTec

2|Servocret RS

1|Okatmos® UG 30
Okatmos® DSG

6|Servoperl royal
Okapox royal

3|Kiesel WST

3|Kiesel SWT 180

pool tiles

concrete

5|Servoflex 5 royal SuperTec
Servolight
Servolight S2 SuperTec

1|Okatmos® UG 30 (Universal Primer)
Okatmos® DSG (Dispersion, Based Moisture Barrier Primer)
2|Servocret RS (Repair Filler and Patching Compound)
3|Kiesel SWT180 (Waterproofing sealing tape)
Kiesel WST
4|Servoflex DMS 1K Plus SuperTec
(Flexible, Single-Component, Cementitious Waterproofing Membrane)

5|Servoflex-Trio-SuperTec (Flexible Full Transfer Thin Set and Medium Bed Mortar)
Servoflex-Trio-schnell SuperTec
(Fast Setting, Flexible Full Transfer Thin Set and Medium Bed Mortar)
Servoflex 5 royal SuperTec
(Flexible, Fast Hardening and Curing Thin- and Medium Bed Mortar)
Servolight (Extended Coverage Flexible Thin Set Mortar)
Servolight S2 SuperTec (Highly Flexible, Light-Flex Tile Adhesive)
6|Servoperl royal (Flexible, Water and Dirt-Repellent Grout)
Okapox royal (Universal Epoxy Based Grout and Adhesive for Walls and Floors)

Mix and prepare Servoflex DMS 1K Plus SuperTec according to Kiesel specifications. Use 3/16 x 3/16 x 3/16 square notch trowel, spread and level ridges with the flat side of the trowel immediately. After approximately 2 hours replicate the same process again. Follow the same application procedure the next day applying third layer of waterproof membrane. 90 degrees inside corners of the pool tank shall be rounded to equalize water pressure. Water tight/leak test may begin 7 days after final third coat of Servoflex DMS 1K Plus SuperTec has been completely dry. After the pool passes successful water tight assessment, tiles may be installed consequently after 4-7 days. Install expansion/control joints in accordance with TTMAC and TCNA specifications. Follow additional guidelines regarding swimming pool construction and tile installations located in the latest TTMAC and TCNA installation handbooks.

Pool deck: Apply two coats of Servoflex DMS 1K Plus SuperTec. Use the same application method as in the pool tank.

Use Servolight S2 SuperTec, Servolight or Servoflex 5 royal as a thinset in the entire pool tank, pool deck and showers. Mix Servolight S2 SuperTec/ Servolight according to Kiesel specifications. Provide full mortar transfer using back buttering method. Clean all the grout joints to allow full penetration for Okapox royal/Servoperl royal grout. Grouting may proceed after approximately 12-24 hours. Pool can be filled with water after approximately 13 days. It is crucial to use the same water temperature matching concrete structure temperature with controlled water flow. Follow Kiesel technical data sheet when applying Okapox products. In an unusual case of epoxy haze use Okamul WH Plus (epoxy haze remover) in accordance with Kiesel technical data sheet.

This is a generic specification guideline only. Please confirm final procedures and installation requirements with Kiesel technical department before commencing any installation. All values provided above refer to +20°C (68°F) and 65% relative humidity. Higher temperature and low humidity decreases, lower temperature and high humidity increases this value respectively.

Swimming Pool Waterproofing Accessories:



Kiesel Special Water-
proofing Tape 180



Kiesel Waterproofing
Sealing Tape



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