

How to specify PebbleCrete™

A short guide for architects and pool designers · PebbleCrete Classic, Supreme and Glass

PebbleCrete is a decorative, cement-based exposed-aggregate finish for the pool shell, formed on site from our 1–3 mm aggregate, white Portland cement bought locally, our cement modifier and, for pigmented colours, a pre-weighed pigment pack. **Specify the whole build-up, not just the finish:** the 10 mm finish is only as good as the layers under it and the day the pool is filled.

THE SYSTEM, BOTTOM TO TOP

1 Concrete shell watertight by its builder	2 Bond coat	3 Render or levelling	4 Bond coat finished smooth	5 Suction- control coat weberdry tex, rigid	H1 accepted	6 Bond coat named, or C1/C2	H2 ready	7 PebbleCrete 10 mm
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1 Place it in the specification. Section **13 11 00 Swimming Pools**, with a level-4 number of your choice — or 09 97 23 where finishes sit in Division 09; in NBS style, a pool-finish clause in the pool or water-feature section. Start from our guide specification (editable .docx, three-part, with short-form clauses) and complete the `<angle-bracket>` fields.

2 Choose the line and fix the colour. **PebbleCrete Classic** (exposed aggregate), **Supreme** (glass beads in every blend, with natural aggregate or glass crystals) or **Glass** (glass beads only). Choose from our physical samples, then fix the colour with a **site sample panel** of the actual mix, signed before work begins and judged in daylight, surface wet — it is the acceptance standard for colour and exposure of the installed finish, not a material-warranty reference.

3 Specify the whole build-up. All seven layers above, with the cement primer on the walls under the finish. Suction-control coat: **weberdry tex**; outside Thailand where it is not available, a rigid cementitious equivalent that we accept in writing (a documentary check of its data sheet). Bond coat: webertai gres or Terraco Terrafix W22, or an equivalent C1/C2 tile adhesive, not S1/S2, with tensile adhesion after water immersion $\geq 1.0 \text{ N/mm}^2$ and stated for immersed pools. **Rigid layers only — no flexible or elastic membranes.** Watertightness is the shell builder's, in the shell section.

4 Write in the hold points. **H1** — suction-control coat accepted before the upper bond coat, with pull-off tests where photographs of the bare substrate are missing; **H2** — bond coat matured and firm, no longer tacky, before the primer and the finish, which follow not later than 72 hours after the bond coat is applied (after that, a fresh bond coat). Both are recorded on our **Substrate Acceptance Protocol** — a model form; we are not a party to it.

5 Qualify the installer. Experienced in cementitious exposed-aggregate pool finishes, or with foreman and crew leader trained at the **PebbleCrete Masterclass** (on request, at our facility in Phuket; a record of training only) — either way with evidence of completed work, which you evaluate. We supply material and documents; unless agreed in writing, we do not install or supervise installation.

6 Plan the fill day. Acid wash, filling and start-up are **one operation**, on the day after the whole pool is laid: pumps working, water and power on site, filling without interruption. Name who runs start-up and water care until handover. If the pool cannot be filled, do not acid wash it — wait until it can be.

7 Split the warranty correctly. **Manufacturer:** material only, from delivery (PebbleCrete Material Warranty), held by the buyer of the material — normally the installer, directly or through its supplier; the owner's route for a material defect is then the installer's warranty. **Installer:** the warranty on the finished pool surface, in its own name, for

KEY FIGURES

- Finish **10 mm**, tolerance 9–11 mm
- Aggregate fraction **1–3 mm**; 25 kg bags
- Mix: 3 × 25 kg + 40 kg white cement, with our modifier and pigment pack (TDS 3.1) — TIS 133-2562, or ASTM C150/C150M Type I (white) or, for European standards, white CEM I to EN 197-1, with $W_I \geq 90$, $Fe_2O_3 \leq 0.4 \%$ and alkali ($Na_2O \text{ eq.}$) $\leq 0.60 \%$, alkali evidence as TDS 3.2
- About **1.8 m² per bag** at 10 mm; order +5 % (surplus is not returnable), in whole batches of three bags per colour
- Material and surfaces **10–38 °C** from 24 h before to 72 h after application; no application while evaporation exceeds $1.0 \text{ kg/m}^2/\text{h}$ or with rain expected within 24 h; air above 38 °C only with the hot-weather measures (TDS 5)
- Walls, floor and steps of in-ground concrete shells; other shell types — ask us before design

NOT CLAIMED BY US

A slip-resistance value, a service life, performance in freezing conditions, a joint-free or crack-free surface, watertightness or structural function. Where a slip classification is required, test the site sample panel, or specimens made from its mix, by the method the code requires.

SURFACES UNDER WATER

Only surfaces under water in service. Set beach entries and lagoon shallows below the overflow crest, with a stated minimum water depth over the finish. Wet-deck shallows are excluded.

DOCUMENTS · REV 2026-10

- Guide specification 13 11 00
- Technical Data Sheet
- Method Statement
- Safety Data Sheets (3)
- Material Warranty · Rev 2026-09
- Installer warranty — model
- Substrate Acceptance Protocol — model form
- Mock-up approval record — model form
- Submittal

Published: guide specification, Technical Data Sheet and this guide; the others on request.

SUPPLY



not less than the statutory period; our model template may be used.
Neither limits the owner's rights under the contract and the law.

- 8 Check local law.** Clauses marked ▲ **LOCAL CHECK** in the guide specification — warranty periods, procurement, slip rules, bathing water, waste — must be checked for the country of the project.

Direct from PEBBLE CRETE CO., LTD., or through its distributor where one is appointed in your country. Hotel and waterpark groups: contact us directly.

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Technical guidance, not a contract. Where this guide differs from them, the guide specification, the Method Statement and the Technical Data Sheet, Rev 2026-10, govern, in that order (guide specification 1.3.C). This guide does not create, extend or vary our warranty, and nothing in it limits liability that the applicable law does not allow to be limited. PebbleCrete™ is a trademark.