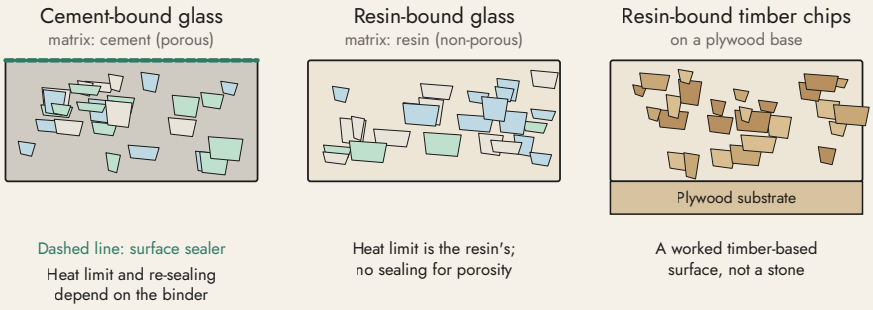
Recycled glass and *resin composite* worktops

Recycled glass and resin composite worktops: three families set against the binder, with heat, stain and care questions to put to the maker. No standard written for these composites was found.

AT A GLANCE

Family	Binder	Heat, stain and wear, from the sources	Care
Recycled glass in a cement binder	Cement matrix: sealed, and re-sealed over time. Colour runs through the slab.	The binder, not the glass, is the weak link: avoid sustained heat and heavy point impact; acids can etch the cement. *Our materials page.*	pH-neutral cleaner; periodic re-seal; re-polish minor wear
Recycled glass in a resin binder	Resin matrix: described by trade guides as non-porous, so no sealing for porosity.	The resin sets the heat limit; trade guides advise trivets. No agreed figure found.	Ask the maker for the heat figure and cleaners to avoid
Timber chips in resin, on plywood	Resin-bound timber composite on a plywood substrate, oiled or lacquered. A worked timber surface, not a stone.	Protect from sustained heat; wipe spills; re-oil oiled surfaces. *Our materials page.*	Oil or lacquer as stated; re-oil interval from the maker
For comparison: terrazzo	Cement-bound is porous, resin-bound is not: the same binder logic.	See the terrazzo sheet.	See the terrazzo sheet

Qualitative only. Our materials pages for two such products, trade guides (retail-level, figures conflict, none used) and the TL-FLO-29 worktop sheet. No standard written for these composites was found. The maker confirms every row.



Original schematic, not to scale. Binder differences are generic; the maker confirms the actual product.

Three composite families in section, not to scale. Binder differences are generic; the maker confirms the product. Original drawing by Make Bespoke Studio.

SPECIFICATION WORDING

PRODUCT AND BINDER

[Recycled-glass / timber-chip] composite worktop to [drawing ref]: aggregate [recycled glass / timber chips], binder [cement-based / resin], [thickness] mm, finish [ground and polished / honed / oiled / lacquered], edge [profile]. The maker is to confirm the binder type, the thickness and tolerance, and the slab or sheet size in writing.

HEAT, STAIN AND CARE

The maker is to state in writing: the temperature the surface tolerates from a hot pan [ ], hob or oven adjacency advice, the sealer and re-seal interval where the binder is porous, the cleaners to avoid, and how minor wear and a chipped edge are repaired. These are to be in the care sheet for the handover pack.

EVIDENCE

Recycled content: [ ] per cent, with the basis of measurement and supporting documentation. Test reports: [standard, edition] for [abrasion, thermal shock, chemical resistance] on this product, with the laboratory report. Safety data sheet including crystalline silica content. Any fire, slip or food-contact statement to be supported by a report for the exact finish.

SAMPLE AND VARIATION

A sample of the proposed composition, finish and edge from the production batch is to be approved by [designer] before fabrication [sample ref]. Natural variation in aggregate size, colour and density between slabs is accepted within the approved sample range; seam positions and slab sequence are to be agreed on a layout before cutting.

TERMS USED

Binder
The material that holds the aggregate together: cement or a resin. It sets heat tolerance, porosity and how the surface is cared for.

Aggregate
The pieces held in the binder: here crushed recycled glass or chips of timber.

Cementitious matrix
A binder based on cement. Porous, so normally sealed; can be etched by strong acids.

Sealer
A treatment that reduces absorption in a porous surface. It wears and is renewed.

Re-polishing
Grinding and polishing a worn patch back to the surface finish, possible where the colour runs through the thickness.

STANDARDS AND SOURCES

- BS EN 14617 series (agglomerated stone, test methods): named on the worktop sheet; parts 4, 6 and 10 are abrasion, thermal shock and chemical resistance (search listing); applicability to glass composites unconfirmed; standards not read.
- BS EN 15388:2020: agglomerated stone, vanity and kitchen tops (as recorded on the worktop sheet); applicability to glass composites unconfirmed; not read.
- No standard written for these composites: none was found for recycled-glass composite worktops.

Full guide: https://makebespoke.com/trade/technical/recycled-glass-and-resin-composite-worktops. Make Bespoke Studio coordinates manufacture through its partner workshops. Figures are guidance only and your specification governs; some may be superseded, so contact the studio to verify.