



Design
Guide

waste terrazzo

made from waste

Introducing Waste Terrazzo

Waste Terrazzo is an innovative concrete surface formed entirely from Australian construction and demolition waste. By hacking into the city's construction cycle Five Mile Radius has been able to create Australia's only decorative concrete surface made entirely from waste. Utilised as benchtops, tables, seats, etc each unique made-to-order Waste Terrazzo surface combines excess wet concrete with crushed demolition debris or other waste to create a beautiful, customizable surface.

Cement is the second most consumed resource in the world after water, and concrete production accounts for over 8% worldwide of carbon emissions. Innovations, like Waste Terrazzo, are needed at every stage of production to help reduce this impact

Composition

1. Solid Concrete Surface

The main component of Waste Terrazzo is waste concrete. This is sourced from building sites oversupplied with wet concrete, thus saving this virgin resource from becoming landfill. The concrete we use is typically plain grey with a black or neutral coloured stone base.

2. Waste Aggregate

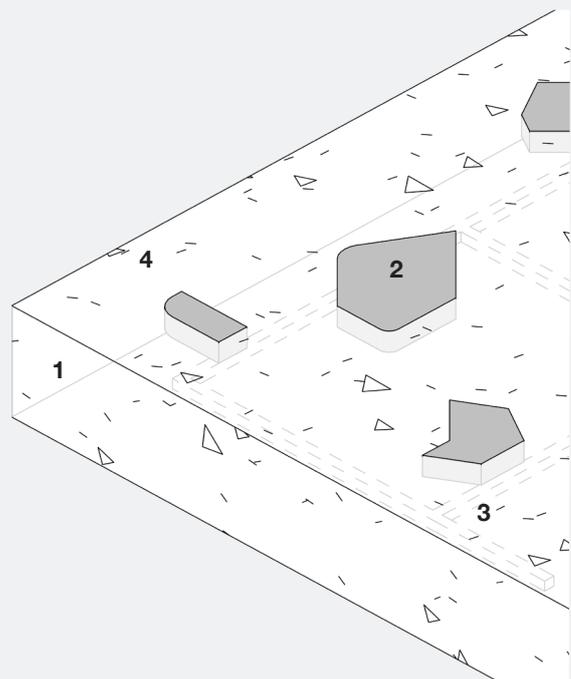
Now for the fun part. Every waste terrazzo surface is decorated with smashed construction debris or other waste. We source old bricks, tiles, pottery, brass, copper, plastics, etc creating a surface which can be loud and colourful, or simple and minimal - depending on your brief.

3. Steel Reinforcing

Within each Waste Terrazzo Slab is a band of invisible steel reinforcing. This steel, also sourced as waste from local suppliers, gives added strength to the finished product.

4. Glass-like Finish

Our slabs are polished in our workshop to create a glass-like finish. The shine is achieved through the simple mechanical action of thorough polishing, rather than through the application of varnishes or glues. We also apply a penetrative stain blocker to the top of each piece which prevents staining during use without altering the appearance of the polished surface.



Surface Decoration

Our typical surface finish incorporates smashed ceramic tile and brick. We are happy to discuss customising the design or colourway to suit your project.

Clients may also include their own decorative materials for a custom finish.

We have worked with:-

- Brass and copper
- Brick
- Crystal
- Crockery
- Varied plastics

Our team is happy to discuss your vision during the ordering process.



Sizes and Shapes

Waste Terrazzo is available as both custom furniture or standalone slabs. Every piece is made to order.

Our in-house designers and fabricators can help you design your perfect dining table, bench, stool, coffee table or custom piece. We use only recycled steel and timber to create the frames or legs needed for furniture pieces.

Alternatively we fabricate solid slabs to your dimensions for a wide variety of uses from kitchen benchtops, to bathroom vanities, etc.

Please get in touch with our team and we'll do our best to make your wildest Waste Terrazzo dreams come true!

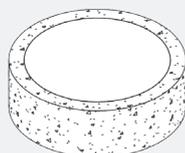
Dining Tables and coffee tables



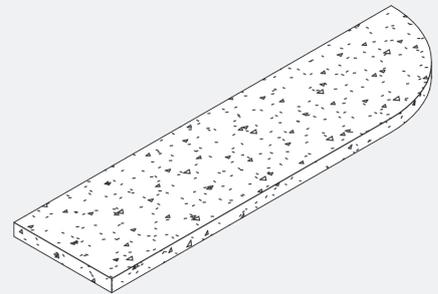
Dining tables and chairs



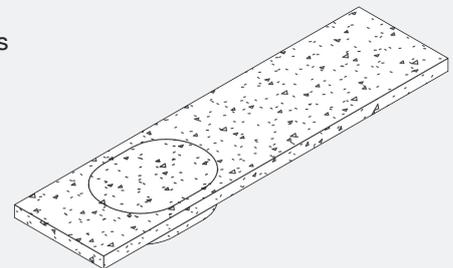
Custom Pieces



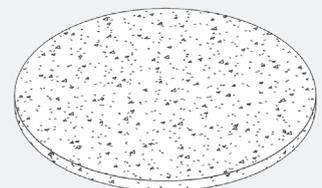
Kitchens



Bathrooms



Customs Shapes



Additional info

1. Benchtop installation

Five Mile Radius does not generally install individual kitchen and bathroom benchtops, however we're here to help coordinate installation requirements with your architect, project manager or builder.

2. Surface variations

As we work with waste the surface of the finished product may differ slightly from supplied images. Variations include slight tonal differences in the waste concrete used and colour variations in the waste aggregate. If you have specific requirements please discuss these with our team and we'll do our very best to accommodate you.

3. Irregularities

As Waste Terrazzo slabs are produced using waste concrete irregularities in our supply occasionally result in tiny chips or cracks in the finished surface which in no way compromise the slab's use. We believe these minor markings are beautiful reminders of the reuse of waste and should be celebrated. We do however work to minimise any irregularities above 3mm prior to supply.

4. Food safe surfaces

To ensure surfaces meet commercial kitchen standards, if required Five Mile Radius can apply a commercial grade, food-safe surface sealant and fill any minor imperfections in the finished surface. Please discuss this requirement when ordering.

5. Care and Maintenance.

Remove spills as soon as possible. Slabs are best simply cleaned with a ph neutral cleaner and a microfiber cloth. Avoid alkaline or acidic products. The surface could be buffed annually if required using a mechanical buffing machine.

Ordering

Please contact the Five Mile studio to discuss your requirements. Pricing is typically based on a square meter rate with additional costs for the fabrication of any frames or supports.

Orders are usually completed within 4-8 weeks depending on the complexity of the design. Pickup is available from our Red Hill Studio or we can arrange delivery Australia wide.



Contact

Please contact our studio to discuss your project or arrange a quote.
Studio visits are available by appointment.

Email: studio@fivemileradius.org
Phone: 0406 941 434
Address: Five Mile Radius,
10 Atkins Street,
Red Hill, QLD, 4005

Cheers!