

UNDERSTANDING

Formation Reformed Stone

THE STORY

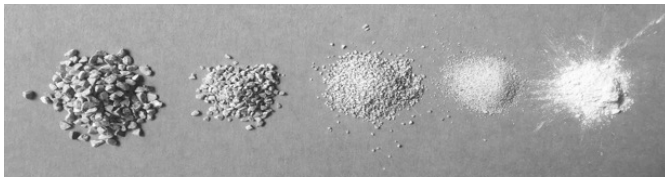
Formation was originally designed for use on paving and driveways - due to its strong, durable properties. However, it soon became clear that this product would be a perfect fit for interiors too if it was produced in a tile thickness. Trials were made tinting the raw product and producing a 1.5cm version - and Formation Reformed Stone was born.

With many size options, several finishes, and the possibility of bespoke sizes and colours, we could see in Formation everything we loved about the possibilities Natural Stone allows us and more. Being familiar with both traditional and contemporary markets, the tumbled finish with its natural, soft and tactile finish, reminded us of the special finishes we have known and loved for Natural Stone - and allowed Formation to bridge both design styles.

HOW IT IS MADE

Reformed stone is a highly innovative material; comprised of 60% recycled material from the Italian marble industry. The manufacturing process is simple; firstly, the recycled and waste stone is crushed into several different grades of aggregates, from powder to small chips, which are then blended together with water and cement and tinted with natural pigments.

The pigments determine the various price points - as some pigments are rare or difficult to obtain, making these colours more costly than others. The resulting mixture is compressed into moulds under extreme pressure, then is air cured in racks for 24 hours.



GRADES OF POWDERS USED TO MAKE THE BASE FOR FORMATION REFORMED STONE



THE MIXTURE PRIOR TO PRESSING

The tiles that come out of the moulds are oversized; and these are subsequently cut to the correct size. This allows for greater size consistency. The cut tiles are then individually tumbled in the same way stone is, by being placed into a large vibrating bath, filled with waste broken tiles. The vibration causes the tiles to chatter against each other, softening the edges and giving some texture surface - this process is much like the weathering of pebbles on the beach.

CREDENTIALS

The factory that makes Formation is carbon-neutral, and has achieved LEED and EPD certification. All waste material is recycled - re-crushing any broken or faulty material into the different aggregate grades and starting the process again. Also, any water used to clean down machines goes through a water recycling process; further reducing any environmental impact. The tiles have a R12 slip rating and are frost resistant.

SUITABILITY

- Walls
- Floors
- Exterior (foot traffic)
- Bathrooms and wet areas
- Compatible with underfloor heating



MATERIAL BEING TUMBLING IN THE VIBRATORY TUMBLING MACHINE; FILLED WITH WASTE PRODUCT



MATERIAL COMING OUT OF THE PRESS

UNDERSTANDING

Formation Reformed Stone

INSTALLATION & OTHER IMPORTANT POINTS

A highly unique and beautiful product, Formation needs to be understood and respected in the same way one would view a natural stone. Like natural stone, Formation will wear in, not out, evolving over time to fit into the environment it is laid in. We believe this is all part of the charm of a truly artisanal, organic tile. Here are some guidelines and recommendations for installation:

- It is important to mix tiles to ensure even tonal variation.
- Ensure any wet areas in bathrooms are fully waterproofed; as Formation Reformed Stone is more porous than porcelain, natural stone, or ceramics.
- Formation Reformed Stone is designed to be cut with a diamond blade wet saw, and we recommend that the material be laid with 3 to 5mm joints to allow for any variation in size.
- Please note that due to the tumbled finish the front and back of the tile will look very similar, and in most cases either face can be used. Depending on personal choice, the two faces can be mixed.
- Do not attempt to grout before the adhesive is fully cured and the moisture has passed through the body of the tile- the tile should return to the original, dry colour. This may take up to four days in certain environments.
- For a natural look (not advised for wet rooms), apply two or three coats of Sarsen Home Stainblock Eco before grouting. This will prevent grout becoming embedded into the surface of the tile. A further coat or two are recommended after the grout has dried.
- For use in wet rooms, or to get a satin finish; apply two or three coats of Sarsen Home Stainblock Eco before grouting. This will prevent grout becoming embedded into the surface of the tile. A further coat of Stone Shield should be applied after the grout has dried.
- As Formation Reformed Stone is composed of natural materials and not fired, Formation Reformed Stone is softer than porcelains and ceramics, and will wear over time in much the same way as a natural stone will.
- Please note that in some cases, strong light can affect the colour of the tile and cause fading over time. This is more common outdoors.

EFFLORESCENCE

Please note that clouding is common in this material- this is caused by mineral salt migration, known as efflorescence. To reduce this effect, we would recommend the use of our Cement, Grout and Salt Remover; however a dusty/cloudy effect is natural, and avoidable.

Make sure to keep these tiles dry before installation to prevent this.



FORMATION BIANCO

GENERAL MAINTENANCE

Formation should be treated in the same way you would treat a natural stone. It should be vacuumed or swept regularly; and when laid internally must be washed periodically with pH neutral cleaners, such as our Sarsen Home All Clean, Swift Dry All Clean, or Clean & Sheen. We would particularly recommend our Sarsen Home Swift Dry All Clean, applied with a spray mop, with Formation, as this system uses less water and helps to prevent the accumulation of dirt in grout joints. We would not recommend cleaning with steam cleaners as this can remove sealant. When used as a paving, the material can be cleaned with a pressure washer, though this will remove the sealant.

Dirt will build up over time despite regular cleaning, thus we recommend a more intense clean every three to four years using our Sarsen Home Deep Clean or similar.

In areas with hard water, limescale build up may occur in the undulations of the tile. Scrub these away carefully with an acidic cleaner, but take care to avoid affecting the tile below.

Sealant will wear away in time with everyday traffic and cleaning, though periodic cleaning using our Sarsen Home Clean & Sheen product will help reduce this effect. We recommend resealing Formation Reformed Stone every three-four years, and more commonly in heavily trafficked areas such as bathrooms and kitchens. If a deep clean has been performed we would recommend resealing following the clean.