



TECHNICAL DATA SHEET

Concrete Panels

PRODUCT CHARACTERISTICS

Architectural concrete is a hard-wearing, fire and frost resistant material that lends itself beautifully to create a modernist industrial feel for both interiors and exteriors. Concrete tiles and panels are hand-crafted using GRC technology; Glassfibre Reinforced Concrete.

This versatile material is made from real concrete and reinforced with industrial fiberglass, enabling it to be used in home and commercial environments. It has a 4i Attribution rating which is the highest in class, making it a very tough material, perfectly suited for decorative purposes. Decorative concrete products are inspired by natural earth tones, made from the best quality materials and the newest technology.

Due to the product process, there may be an element of colour changeability. It is a natural and desirable side effect of working with these materials, and as such we do not correct colour difference during the production process.

Please also note that the colour scheme could be slightly different to the one on display, as the natural creation processes can result in drying of materials. Small traces of other colours of cement, separate or clusters of tiny pale and white spots may appear on the surface. All streaks, colour variations, water marks, patches of efflorescence are cosmetic only and do not affect the integrity of the product.

It is possible that concentric, regular-shaped, irregular, jagged surface air gaps may occur on the items in a diverse and non-uniform manner. Items with different intensity of air gaps could appear even in one single batch of materials. Please be aware that these features are entirely natural and highly desirable for this material. The production process results in smooth facings and does not give a grainy effect. The material is not polished, but it can naturally provide a light shining effect to achieve diffused light reflection.

Standard product versions are produced in four colours:

White – Product has a white base, is white cement and selected quartz sand,

Natural Grey – Product base is concrete mix without pigment, which gives a colour of natural concrete mix with a hint of sandy shades,

Grey – Product has a scarce amount of pigment added, making for a product that is slightly darker than the natural one, with a more intense grey colour,

Black - Product has the largest amount of pigment added, giving it a strong, deep colour with a uniform surface.

USES

Architectural concrete panels can be used internally or externally on walls.

It is recommended that, to use the product externally,

their surface should be impregnated with widely available impregnating agents specifically designed for concrete. It will be necessary to impregnate tiles used as facings in wet areas, floor linings, kitchen backsplashes, and mantel pieces or on outside claddings. Material should be impregnated prior to pointing to prevent discoloration.

LIMITATION

Do not fit slabs on damp surfaces or on the surfaces that have direct contact with damp or wet surfaces. Inadequate storage in a vertical, slanting position or exposure to moisture can cause linear deformation and bending of tiles.

Incorrect storage such as keeping within an area of excessive humidity can lead to secondary discoloration and bleeding, not a defect in the product. The presence of white coating on the mounting surface is a technological effect and its removal is a prerequisite for effective assembly.

TECHNICAL DATA

Compressive strength: C30 / 37;

Exposure class: XC4, XS1, XD2, XF3, XA1;

Frost resistance: F150;

Absorbability: n <4%.

Product code	Product name	Width*	Height*	Thickness*	Unit	Unit contain	Unit weight*	Unit sqm cover	Units per sqm
CC001	Concrete panels 10mm 120x60	1197 mm	597 mm	10 mm	Panel	1 panel	16.6 kg	0.72	1.39
BL001	Concrete panels 15mm 120x60	1200 mm	600 mm	15 mm	Panel	1 panel	21 kg	0.72	1.39
BL002	Concrete panels 15mm 60x60	600 mm	600 mm	15 mm	Panel	1 panel	10.5 kg	0.36	2.78

* Due to their handmade production, the panel sizes can vary by up to 2%.

MAINTENANCE

Clean the panels with slightly wet cloth or vacuum the panels regularly to remove all dust. General household cleaners may be too aggressive and are likely to damage the sealants and finishes applied. Always check cleaning product before use on the small hidden part of the surface.

WARRANTY

The warranty covers:

Differences between the actual size and the size declared in specification, except for differences caused by incorrect storage or incorrect fitting.

Centre line size differences, except for differences caused by incorrect storage or incorrect fitting.

Linear differences of material's edges, except for differences caused by incorrect storage or incorrect fitting.

The warranty does not cover:

Effects of fitting because of an application that does not comply with fitting instructions.

Effects of fitting because of actions performed on the surface not in conformity with the manufacturers recommendations or elements that are not suitable for fitting

effects of montage – linear deformation caused by faulty fitting that does not meet the fitting requirements, particularly by omitting priming the material with priming agents recommended by the producers of adhesive or the shutting off of dampness from adhesive mortars.

Mechanical damage arising during transport (unless they were reported); defects arising because of incorrect usage or effects; fitter mistakes or atmospheric or force due to major events.

Discoloration and colour variations arising from not preserving the material with concrete impregnation in conformity with producer's recommended aesthetic effects connected with "material characteristics."

Effects of storing material in conditions of changeable weather conditions or storing material in a damp environment effecting colour changeability; linear changeability, deformation or in conditions not in conforming with the manufacturers recommendations.

The warranty does not cover fitting works cost and all other expenses.

The warranty does not cover product defects caused by

impregnations.

Warranty requirements:

1. Correctly completed warranty card with a proof of purchase.
2. Buyer must comply with the manufacturer's recommendations concerning maintenance, storage and fitting.
3. Buyer is obliged to report any defects within 14 days of their appearance and the warrantor must inform the customer about the terms of the warrantee and any reasons for warrantee refusal as described above.

For a full Terms and Conditions visit:
www.3dartfactory.co.uk/downloads

DISCLAIMER

We reserve the right to amend the details contained within this document without prior notice. Material can have minor manufacturing characteristics present such as colour fluctuation and minor surface particle or imperfections. These are normal visual elements for this type of product and if present are not grounds for complaint and are not aspects covered by the product warranty. Final results largely depends on the tiler skills and his experience with art tiles fitting.