



Fontefacade

Colorful solutions for fibre-cement flat sheets





Protect and create a unique look

Fiber-cement flat sheets are a modern, composite building and construction material. Nowadays, they are widely used for facades, partition walls, humid facilities, plinths and balcony railings. Although they are highly prized for their strength and durability, fiber-cement flat sheets are initially gray in color. Tikkurila has responded by developing a fast-drying, one-component water-borne painting system – Fontefacade – to make fiber-cement flat sheets a 'must-have' material for architects and designers.

The painting system includes the newest coating technology for industrial application, which makes more efficient use of coating lines. This adds a new dimension to the final look and technical properties of the surface. What is more, an outstanding, new water-borne technology markedly cuts volatile organic compound (VOC) emissions in the production process.





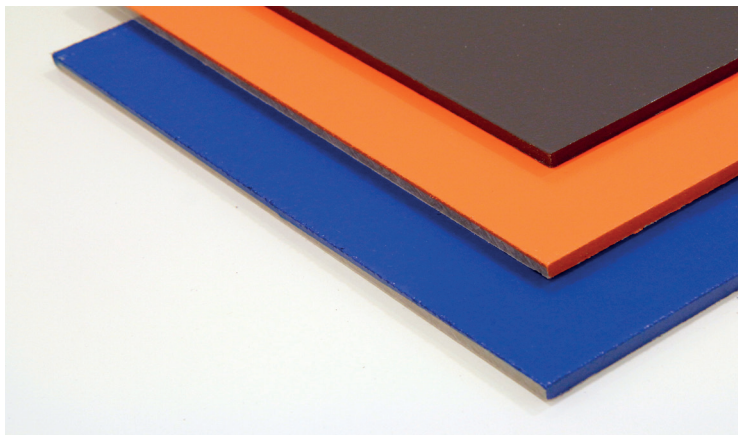
Fontefacade - coating system for fibre-cement flat sheets:

One or two layers of the one-component, fast-drying paints Fontefacade SC 10 or Fontefacade SC 50. A wet film thickness of up to 300g/m² can be achieved without sagging. The paints can be applied by airless or air-assisted airless spraying. Other paint application modifications are available, please contact Tikkurila representative for more information.

Product	Gloss level	Base paint	DFT, µm	WFT, g/m ²	Item code
Fontefacade SC	10	A	90-160	150-300	58V60010170
Fontefacade SC	10	C	90-160	150-300	58V60030170
Fontefacade SC	50	A	90-160	150-300	66V60010170
Fontefacade SC	50	C	90-160	150-300	66V60030170

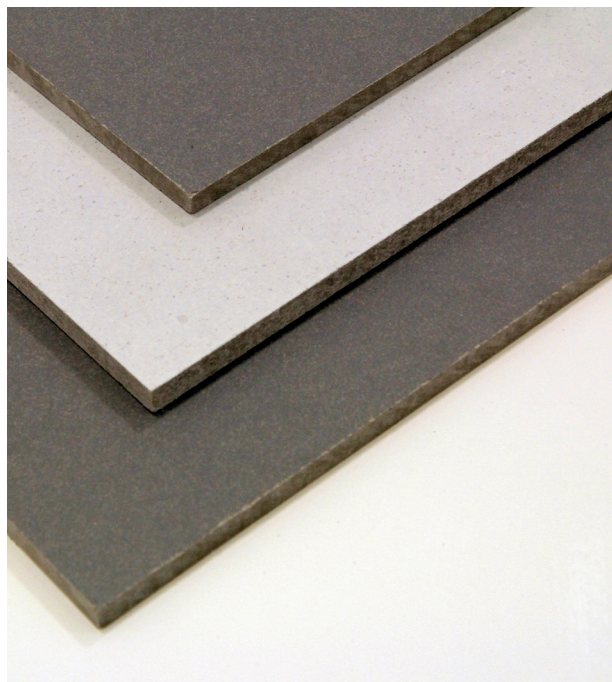
Major benefits for production lines:

- New technological solution
- One-component product
- Low VOC values (max. 40 g/L)
- Single coat possibility, up to 300 g/m² wet film
- Sprayable
- Fast drying, recommended for fast lines
- Allows stacking immediately after drying
- No need to sand – does not lift up fibers



Wide range of colors with excellent durability

Fiber-cement flat sheets can be treated to create a range of surface models; either a fully coated opaque version or a semi-transparent one. This can be achieved using a special combination of paint and colorant technology. Fontefacade paints have A and C bases and can be tinted in thousands of colors using Avatint colorants. Also metallic and structure models are available. The fabulous diversity of this wide range of modifications and colors can form the basis of architectural-façade masterpieces.



Benefits of the coated fiber-cement flat sheets:

- Two gloss levels (10 and 50)
- Thousands of colors, including bright shades
- Color and gloss retention
- Excellent weather durability (see test results in table)
- Same benefits achieved as with two-component products
- Possible to cut the panels at the construction site, paint does not flake during cutting process
- No harmful emissions released from dry paint during machinery cutting
- Easy to repaint at construction site if needed
- Possibility to create limited number of semi-transparent glaze shades with Fontefacade SC 10



Test results prove durability

Adhesion and artificial weather tests were performed on fiber-cement flat sheets coated with Fontefacade SC 10. A wet film thickness of 170 g/m² was applied. The results demonstrated the paint's excellent durability and color retention.

1. Bond strength based on a pull-off strength test according to standard EN 1542: 0.8 N/mm² (cohesive failure in the substrate).
2. Cross-cut test according to standard ISO 2409: Class 1 (less than 5% damage).
3. Artificial accelerated weathering resistance according to standard ISO 4892-2 (Part 2: Xenon-arc lamps): color change values after 8 weeks of exposure.

	White	Grey	Blue	Red
dE CMC	0.15	0.07	3.02	0.60
dE CIE	0.16	0.06	3.02	0.60

4. Cold-check test, which measures the durability of the paint system when exposed to temperature changes: -18°C min 6h / +21°C min 6h. The panels were subjected to a cold-check test for 150 cycles and checked for possible changes in the surface after every cycle. No cracking or other changes were observed.



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