

## B-HYGIENIC HYGICEIL FRP

FRP ceiling tile for all types of structured ceilings

Version 2014.1

### CHARACTERISTICS



- Food safe (HACCP, EU, BRC, FDA, USDA, ...)
- Economical (less cleaning product is needed) and ecological
- Chemically resistant (e.g. blood, acids, brine, milk, ...)
- Water- and dirt resistant, anti-fungal and antibacterial
- High impact- and scratch proof
- Anti-static
- Easily and simply cleanable
- Quick and easy to install (modular system)
- Suitable for heated and cooled spaces.
- Optional fire retardant (Standard Euroclass E)
- Anti-graffiti (ideal for public spaces)
- Does't discolour and assumes no odors
- Non corrosive
- Easy repairable
- Available in all RAL colours (standard RAL 9010 = hygienic white)

Suitable for all standard structured ceilings!

### TECHNICAL INFORMATION

<b>Dimensions:</b>	0,595 m x 0,595 m (0,36 m <sup>2</sup> ) 0,595 m x 1,195 m (0,72 m <sup>2</sup> ) Custom made
<b>Weight / m<sup>2</sup>:</b>	± 3 kg
<b>Polyester thickness:</b>	2,3 mm (± 5% tolerance)
<b>Finishing of surface:</b>	Embossed or smooth
<b>Standard colour:</b>	RAL 9010 (hygienic white) Other colours on demand (min. 1000 m <sup>2</sup> )
<b>Standard fire class:</b>	Euroclass E
<b>Fire retardant (optional):</b>	Euroclass C-s3,d0 Euroclass B-s2,d0
<b>Temperature:</b>	-60°C / 70°C

### SPECIFICATIONS

<b>Flexural Strength:</b>	1,267
<b>Flexural modulus:</b>	45,76
<b>Tensile strength:</b>	634
<b>Tensile Modulus:</b>	70,4
<b>Extension:</b>	1,5
<b>IZOD Impact strength:</b>	695
<b>Linear expansion:</b>	0,025
<b>Bracol Hardness:</b>	40
<b>Thermal conductivity:</b>	3,41
<b>Water absorption:</b>	0,3 (24 tot 25°C)
<b>Density:</b>	1,4

### COMPOSITION

	proportion of fiber in %	share in fiberglass (gr/m <sup>2</sup> )	Weight (kg/m <sup>2</sup> )
Smooth surface	23	781	3,39
Embossed surface	30	920	3,06

### PRODUCT DESCRIPTION

The B-Hygienic HygiCeil FRP ceiling tile is produced from a special type of FRP sheet. This type of FRP sheet contains a higher percentage of glassfiber which prevents the tiles from bending. This type of FRP sheet is also a glass fiber reinforced composite polyester sheet, opaque, available with a smooth or embossed surface.

The B-Hygienic HygiCeil FRP ceiling tiles are suitable for all standard structured ceilings with dimensions 0,6 x 0,6 m and 0,6 x 1,2 m.

### APPLICATIONS

Hygienic protection for structured ceilings in: food processing plants, bakeries, meat processing industry and butcheries, restaurants and mass caterings, fish companies and stores, milk and cheese industrie, slaughter houses for cattle and poultry, egg processing companies, clean rooms, cold rooms, hotels, hospitals, public buildings (schools, kitchens, toilets, ...), transportation (bus stations, subway, train stations, airports, ...), health clubs and amusement parks, sports and training facilities (changing rooms and showers), commercial buildings (shopping centers, ..), fuel stations, car and truck wash, garages, chemical and petrochemical industry, hygienic locks, laboratories, beer and beverage industry, ...

