



## PLAKFORT 6 COLORPLUS

### COMMERCIAL SECTOR:

Fibre-cement product for coverings and claddings.

### TRADE NAME:

PLAKFORT 6 COLORPLUS

### PRODUCT DESCRIPTION:

Profiled sheets in compliance with product standard EN 494, with a reinforcing system where high resistance polypropylene strips are inserted into the mass of the product. Impact resistance determined following the standard EN 494. The sheets can hold a 50 kg mass in free fall from a 120 cm height.

### PRODUCT USE:

Sheets used for coverings of industrial, agricultural and residential buildings, especially suited for structure with ceiling installed not at the same level of the sheets.

### COMPOSITION:

The sheets PLAKFORT 6 COLORPLUS are made of a cement matrix reinforced with organic, natural and synthetic fibres with no mineral fibres.

### COLORATION "COLORPLUS":

Exclusive procedure of double coloration: first in one layer on the surface and then through a painting machinery using pigmented acrylic resins.

COLORATION "RURALCO" AND "TEGOLIT PLUS": coloration in one layer on the surface.

#### TECHNICAL CHARACTERISTICS:

High mechanical impact resistance – flexible but non-deformable – does not oxidize – water vapor permeability – Waterproof – Rot-proof – Roost-proof - High resistance to freeze-thaw cycles – Non-combustible Euroclasse A1– good soundproofing properties – good thermic insulation properties.

#### DIMENSIONAL CHARACTERISTICS:

Width 1095 mm (6 waves profile)

Length 1250 – 1580 – 1750 – 2000 – 2250 – 2500 – 2750 mm

#### WARRANTY:

10-years guarantee only on Colorplus range, except coloration RURALCO and TEGOLIT PLUS.  
Insurance coverage all countries, except USA, Canada, Mexico.

#### INSTALLATION METHOD:

Technical documentation available upon request.

Installation following rules of Art KOMO.

#### PHYSICAL AND MECHANICAL CHARACTERISTICS:

Requirement in compliance with EN 494

Datasheet of the physical-mechanical characteristics available upon request

#### MAINTENANCE:

Periodic cleaning of the roof in order to remove possible foreign bodies that forbid the regular runoff of rainwater.

Periodic revision of the fastening system.

Global performance of the product is also based on a preventive program that allows keeping the roof in watertight conditions.

## SAFETY DATASHEET FOR FIBRE-CEMENT PRODUCTS

### 1 Identification of the product and the manufacturer

#### 1.1 Fibre-cement profiled sheets

#### 1.2 Purpose of the product: suitable for roof coverings and claddings

#### 1.3 Identification of the manufacturer: Edilfibro S.p.A. Strada Statale 10 Km 164,700 27040 Arena Po (PV) fax 0385-272311, mail [secretariat.commercial@edilfibro.it](mailto:secretariat.commercial@edilfibro.it) – web: [www.edilfibro.it](http://www.edilfibro.it)

#### 1.4 Phone number for urgent calls: 0385-272811

### 2 Hazards identification

#### 2.1 No dangers for human health or environment – SVHC < 0,1%

### 3 Composition/Raw materials information

#### 3.1 Cement, water, polyvinyl alcohol fibres (PVA), cellulose, polyethylene

### 4 First aid measures

#### 4.1 None

### 5 Fire prevention measures

#### 5.1 None

### 6 Accidental release measures

#### 6.1 None

### 7 Stock and Handling

#### 7.1 Stock: on flatten ground, being careful of the package stability and facilitating the accessibility without dangers. Colored sheets should be stored under cover at all times, inside a building. However if this is not possible, they can be stored under a tarpaulin. The tarpaulin should be spaced off the top and sides of the sheets to allow effective air circulation and avoid condensation.

#### 7.2 Handling: Wearing safety gloves and shoes

### 8 Exposition control/Personal protection equipment

#### 8.1 Hands protection: use safety gloves with crust leather

### 9 Physical and Chemical properties

#### 9.1 Solid appearance, different colours, odorless

#### 9.2 Ph, boiling point, flash point, flammability (solid and gaseouse state), explosive properties, oxidising properties, vapor pressure, relative density, solubility, water solubility, viscosity, vapor density, evaporation rate not applied

### 10 Stability and reactivity

10.1 Stable under normal use conditions

11 Toxicological information

11.1 No data available

12 Ecologic information

12.1 No data available

13 Disposal consideration

13.1 Dispose of as not hazardous waste

13.2 Following the origin of the product, apply the most appropriate European code (CER)

14 Transport information

14.1 There are no specific regulations about

15 Regulation information

15.1 The material is considered not dangerous

16 Other informations

16.1 In case of processing of the product, such as cutting, drilling, etc, dust and powder could be produced. Protect airways with appropriate PPE.

FIBRE-CEMENT SHEETS PHYSICAL-MECHANICAL CHARACTERISTICS

CHARACTERISTIC	UNIT OF MEASUREMENT	VALUE	RULE	NOTES
Bulk density	Kg/m <sup>3</sup>	~ 1500	EN494	
Water impermeability	-	Very good	EN494	Trace of moisture may occur on the inside surface, especially on the most recently installed sheets
Heat-rain cycles	-	No alteration	EN494	50 heating cycles at 70°C and cooling with rain at room temperature
Freeze-Thaw	-	-	EN494	100 cycles with variation of temperature from -20° to +20°C. Possible decrease of mechanical resistance up to 30%
Soak-Dry	-	-	EN494	50 cycles of drying at +60°C following a water immersion. Possible decrease of mechanical resistance up to 30%
Reaction to fire	-	A-1 classification	EN13501-1	EN494+A3
Water absorption	-	~ 25%	-	
Hydric dilatation	Mm/m	~ 2	-	From dried to water saturation
Thermal expansion coefficient*	Mm/m.K	~ 0,017	-	
Corrosion resistance accelerated in salt mist*	Visual evaluation	Intact	ISO 9227	Sample undergone for 1.176 h to a concentrated salt mist exposition treatment
Sound-reduction index "R"	dB	~ 22	ISO 140 and 717	Evaluation index at 500 Hz in the frequency band between 100 and 3.150 Hz
Factor of water vapour diffusion resistance "μ" Water vapour permeability "p"*	Mg/m.h.Pa	~ 17 0,044	EN 12086	Average value of air thickness equal "Sd" 0,12 m
Thermal conductivity "l"*	W/(m.K)	~ 0,54	ISO 8302/91	

Gross calorific value	Mj/kg	< 0,2	EN ISO 1716	
Minimum breaking load	N/m	4.250	EN494	Net span between the supports 1,10 m
Minimum bending moment	Nm/m	55	EN494	See norm
Impact resistance	Joule	600	EN494	50 kg-h mass, fall from 1,2 m