




**THERMAL
TECHNOLOGY**
CARBON FIBER HEATING

**HEATING
UNDER CARPET
LAYER FOR RENTAL**

HEATING UNDER CARPET LAYER FOR RENTAL



APPLICATION AREA

Radiant heating system designed for creation of removable comfort areas inside of halls for special events. Due to fast and simple installation and dismantling of the system, the heaters can be rapidly prepared for operation or conversely for storage. The system is ideal for comfortable heating inside of event halls.

NO HARMFULL ELECTROMAGNETIC EMISSIONS

CHARACTERISTICS

Reinforced heating under carpet layer, insulated against heat waste downwards, placed between floor and carpet or under floating floor. The system is composed of standard sized elements delivered in rolls, 50 m length, laid on the floor next to each other but not connected between them. Each strip is linked directly to the distribution panel and electronic control, necessary for heating optimization and energy saving.

CARBON FIBER

Carbon fiber is flexible, does not oxidize, does not produce harmful electromagnetic fields during electricity flow, has no dimensional variations as the temperature changes nor deterioration of ohmic values. No wearing and no maintenance required. Its high resistivity permits significant energy savings.



HEATING ELEMENTS LAID OVER THERMAL INSULATION SUPPLIED



CABLE PASSAGE



SURFACE TEMPERATURE CHECKING



TERMOGRAPHY

MATERIAL STRATIFICATION

Stratification starting with outside layer:

- Aramid tissue.
- Metallic grid with earthing cable.
- Compensation layer made of linoleum.
- Carbon fiber resistors.
- Thermal insulation, 5 mm thickness.

TEMPERATURE CONTROL

Each heating strip is supplied autonomously and is equipped with NTC temperature probe: activation and deactivation are automatized by aim of an electronic controller.

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLE AND CONNECTORS	DIMENSIONS (cm/in)
STM.X	230 Vac 50/60 Hz	200 W/m ²	IP67 RF Class 1	NTC sensor Electronic control unit	Power supply cable H07 RNF 3G	Length 950/374.02 Width 150/59.05 Th. 0,9/0.35

CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by Low Voltage Directive 2014/35/EU. This product is in conformity with Electromagnetic Compatibility Directive 2014/30/EU, concerning the standards for electromagnetic emissions.

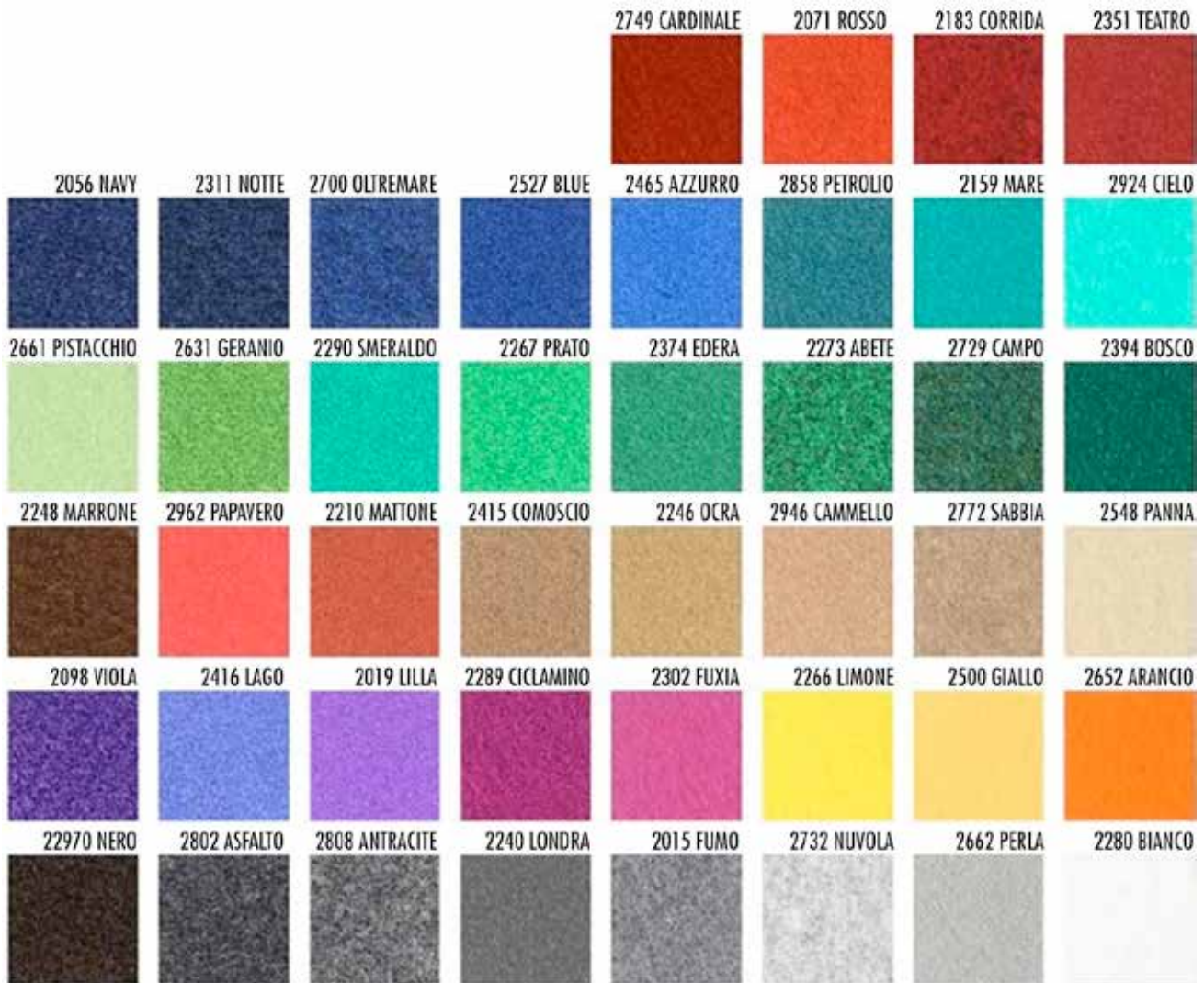
Thermal Technology powered by Carbon Fiber Heating SRL - 417075, Borş, Parc Industrial Borş, Nr. 1C, jud. Bihor, Romania
Phone: + 39 0423 858589 - www.thermaltt.com - info@thermaltt.com

COLORS CHART



Heating Under Carpet Layer.

Color Chart for carpet polypropylene fiber 650gr/m² (1.43 lb/10.76 ft²) ca.
and subfloor in synthetic latex



The manufacturer reserves the right to change the colors and the technical specifications of the products at any time without notice.