MODULAR UNDER LAMINATE AND MOQUETTE HEATING LAYER
APPLICATION AREA

Modular under laminate and moquette heating layer is recommended specifically for renovations, when it is intended a minimal raise of the pavement's height. Radiant heating principle of the system does not cause air movement and the bodies are heated directly, thus it is avoided dust and acrid circulation. The panel is available in modules of 4 standard dimensions (see the table).

NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

The application must be performed carefully on clean and plain surfaces, following the indications provided by the installation diagram, taping the modules and connecting them by aim of patented connectors with IP 67 protection degree. Extremely reduced thickness of the heating layer, of approximately 5.00 mm (0.2 inch approx.) allows interventions with minimal height. All the modules are connected to power in parallel, thus the system can operate even in case of partial damage, excluding from supply a floor area of 1,00 m² (10.76 ft²).

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.

STRATIFICATION

Stratification starting with outside layer:

• PU/mineral layer with aluminum reflecting layer, 1 mm thickness.
• Carbon fiber resistors.
• Compensation layer among resistance, 2 mm thickness.
• Thermal and acoustic insulation, 3 mm thickness.

TEMPERATURE CONTROL

Activation and deactivation of the heating system can be automatized by aim of an electronic controller (T705) operating with temperature probe, which must be installed in the heated area. Furthermore, the installation of a thermostat or chronothermostat is enough to control efficiently the temperature in the room.