



MARLON CST HEATGUARD

HEAT GUARD TRANSLUCENT ROOF PANEL

The Marlon CST Heatguard roof panel is making its way into the agricultural sector. Because of the proven qualities, this panel can be used in every kind of farm. Depending on the desired light transmission and heat resistance the Marlon CST Heatguard roof panels are available in three types: Heatguard 25, Heatguard 50 and the Heatguard 100. The Marlon CST Heatguard polycarbonate sheets provide good thermal insulation because of the three-walled channel structure. This has the advantage that a lot of daylight comes in and not a lot of heat. The Marlon CST Heatguard roof panel is easy to assemble because of its light weight.



BENEFITS MARLON CST HEATGUARD

- Thermally insulated
- Fire class B1
- Impact-resistant and hail resistance
- Profiling is the same as fibre cement panels
- Sealed ends
- UV-protected by co-extruded layer
- Little tension on the panel by direct extrusion
- Lightweight and easy to assemble (savings on building costs)
- Optimal spreading of daylight
- 10 year product guarantee, according to manufacturer requirements
- Much daylight, less heat in the stable
- Marlon CST Heatguard panels lessen the light pollution because the alloy is throughout the product.
- Energy saving
- Improves animal welfare and health
- Reduces the use of antibiotics
- Improves food intake
- Improves fertility, shorten the calving interval
- Increases milk production
- Better overview of the cows
- Improves job satisfaction in the stable
- Preserves traditional stable appearance

THE PANELS ARE LIGHT AND ARE EASY TO PROCESS.

SPECIFICATONS

| | |
|---|--|
| Structure | Three-walled |
| Colour | Transparent gray |
| Thickness | 6 mm |
| Profile | 177/51 mm |
| Width | 1100 mm |
| Weight | 2.0 Kg/m ² |
| U-value | 3.33 W/m ² K |
| Hail resistance | >27 |
| Light transmission | HG 25: 37% HG 50: 24% HG 100: 14% |
| G-value | HG 25: 0,33 HG 50: 0,23 HG 100: 0,13 |
| Max. temperature | + 100°C |
| Min. temperature | - 20°C |
| Large object impact resistance | 1200J |
| Coefficient of thermal expansion | 6.7x10 ⁻⁵ m/m °C |



Heatguard 25



Heatguard 50



Heatguard 100





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