



Witteburg
bouwproducten

Marlon CST Heat Guard





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Marlon CST Heat Guard light roof is already moving in the agricultural sector. Due to its proven qualities this plate can be used for any kind of agricultural roof .

Depending on the desired light transmission and heat resistance the Marlon CST Heat Guard light plates are available in three types: Heat Guard 25, Heat Guard 50 and the Heat Guard Guard 100.

Marlon CST Heat Guard polycarbonate sheets provide good thermal insulation through the triple-wall channel structure. This also has the advantage that benefits from natural light and less heat in the stable. Marlon CST Heat Guard plate is easy to install due to its light weight.



Project: In 't Hof, Bathmen

Benefits Marlon CST HeatGuard

- Thermally insulated
- Fire class B1
- Impact-resistant and hail resistance the same as fiber cement corrugated sheets
- Sealed ends
- UV-protected by co-extruded layer
- Little tension on the sheet by direct extrusion die
- Light weight and easy to assemble (construction cost saving)
- Optimal light distribution
- 10 year guarantee, according to manufacturer requirements
- Much daylight less heat in the stable
- Marlon CST HeatGuard plates reduce light pollution because the alloy is through the entire product
- Energy saving
- Improve animal welfare and health
- Reduces the use of antibiotics
- Improves feed intake
- Improves fertility, shorten the calving interval
- Increases milk production
- Better overview of the cows in the cowshed
- Increases working in the stable
- Preserving traditional stable appearance



Specifications

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Structure	Triple Walled
Color	Transparent grey
Thickness	6mm
Profile	177/51mm
Width	1100mm
Weight	2.0 Kg/m ²
U value	3.33 W/m ² °K
Hail resistance	<20
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 permanence	1200J
Thermal expansion coefficient	6.7x10-5m/m°C



Marlon CST Heat Guard 25



Marlon CST Heat Guard 50



Marlon CST Heat Guard 100




Project: Vrugink, Ruurlo



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