



Increased yield through daylight in your livestock sheds

solar heat- resistant light sheets

from Lightroof Systems!



Lightroof
Systems

Next-generation roof and wall cladding

www.lightroofsystems.com

Daylight in your livestock shed

Daylight: it's always there, and it costs nothing. Daylight is healthy. Scientific research has shown that daylight contributes to better welfare for both people and animals. Daylight gives you more energy and nicer working conditions. Daylight for your animals means healthier animals that live longer and thus produce more.

The Marlon CST HeatGuard translucent polycarbonate sheets from Lightroof Systems provide daylight in your shed and also offer good thermal insulation through a three wall channel structure. Depending on your wishes, the sheets can be used as a complete roof, partial roof or as a skylight.

The Lightroof Systems translucent sheets are stronger than fibre-cement corrugated sheets and are easy to install due to their light weight. The translucent sheets are also extremely suitable for roof renovation, for example after removing roof sheets containing asbestos.

The major advantages of Marlon CST HeatGuard:

- ✓ LOTS OF DAYLIGHT AND LESS HEAT IN THE SHED
- ✓ IMPROVES ANIMAL WELFARE AND HEALTH
- ✓ ENERGY-SAVING
- ✓ ENHANCES WORK ENJOYMENT IN THE SHED
- ✓ IMPACT AND HAIL RESISTANT
- ✓ OPTIMUM LIGHT DISTRIBUTION
- ✓ FIRE RATING B-s1, d0
- ✓ LIGHTWEIGHT AND EASY TO INSTALL (SAVES CONSTRUCTION COSTS)
- ✓ MINIMAL STRESS ON THE SHEET AS A RESULT OF THE DIRECT EXTRUSION SHAPE
- ✓ REDUCES ANTIBIOTIC USE
- ✓ IMPROVES FEED CONSUMPTION AND PRODUCTIVITY
- ✓ BETTER OVERVIEW IN THE SHED AS A RESULT OF OPTIMUM DAYLIGHT ENTRY
- ✓ REDUCED LIGHT POLLUTION
- ✓ UV-RESISTANT THROUGH COEXTRUSION LAYER
- ✓ THERMALLY INSULATED
- ✓ RETAINS TRADITIONAL SHED APPEARANCE
- ✓ PROFILING IS THE SAME AS FIBRE-CEMENT CORRUGATED SHEETS
- ✓ SEALED ENDS
- ✓ 10-YEAR WARRANTY, IN ACCORDANCE WITH THE MANUFACTURER'S CONDITIONS





Entire roof equipped with light sheets



Half roof equipped with light sheets



Application as skylight and vents

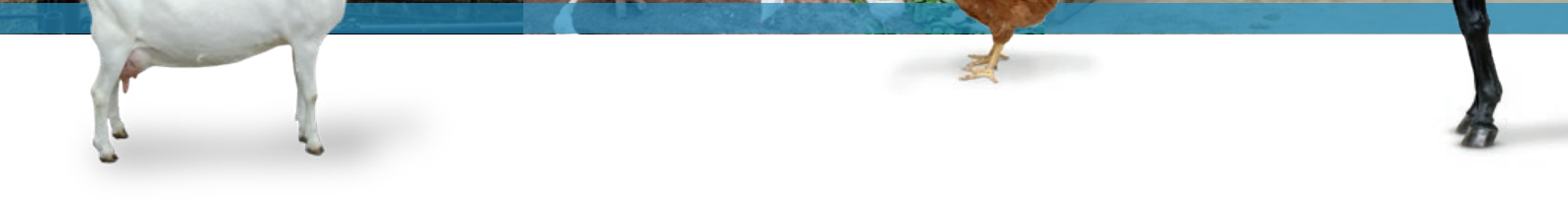
The Marlon CST HeatGuard sheets are produced with an aluminium pigment which is incorporated into the polycarbonate. The pigment ensures that the solar radiation heat is reflected. Depending on the desired light transmission and heat protection, the roof sheets are available in three models: HG25, HG50 and HG100.



Treat your livestock and yourself to the benefits of natural daylight.

Lightroof Systems will be happy to plan this with you. At your request, and without any obligation, we will visit you to discuss the options for your newbuild or renovation project.

**Call for more information or an appointment: +31 (0)545 700205,
or email us: info@lightroofsystems.com**





PROPERTIES

Structure	Three wall	Hail resistance	<20 mm	Max temperature	+100°C
Colour	Transparent grey	Light transmission	HG 25: 37%	Min temperature	-20°C
Thickness	6 mm		HG 50: 24%	Large object impact	1200 J
Profile	177/51 mm		HG 100: 14%	Thermal expansion	6.7x10 ⁻⁵ m/m°C
Width	1100 mm	G-value	HG 25: 0.33	Max Length	4200 mm
Weight	2.0 KG/m ²		HG 50: 0.23		
U-value	3.33 W/m ² °K		HG 100: 0.13		

Lightroof Systems is a supplier of daylight-transmitting, solar-heat-resistant roof and wall sheets. Our starting point has always been to listen carefully to the wishes and needs of the client, with the ultimate goal of advising you on the right roof or wall system in which quality, animal welfare and labour efficiency are paramount.



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