



PRODUCTS CATALOGUE



Un fior di protezione



A Top Class Protection

HELIOS GROUP srl is specialized in the production of woven nets.

It has been operating successfully in the agricultural field for more than 40 years producing protection nets and plastic accessories. The extensive working experience as well as the continuing investments in the latest technologies allow HELIOS GROUP srl to offer a range of **products which are tested and shown to be reliable and durable.**

Thanks to its own installation teams, HELIOS GROUP srl is able to offer its anti-hail equipment fully installed and **“ready to use”**.





Quality First

The main aim of all our production stages is to obtain **nets of the best quality both in resistance and lifetime.**

The use of HDPE of the highest quality, with its particular density and molecular distribution characteristics, the addition with master batches of exclusive formula and the use of vanguard machinery are by themselves a guarantee of safety and quality.

Moreover, HELIOS GROUP srl makes regular checks on its raw material, semi-finished and finished products by mechanical and chemical control, as well as by accelerated hardening tests to verify resistance, elongation and lifetime.

All this allows HELIOS GROUP srl to issue a certificate of analysis which indicates the high quality of its nets, by far exceeding the minimum conditions required by the current Italian law UNI-PLAST as well as a warranty certificate with several years' validity.



A Complete Range For All Needs

The raw material used by HELIOS GROUP srl is pure High Density Polyethylene (HDPE) of the best quality, which is an **inert, non-polluting and recyclable plastic material**.

Additives of our own exclusive formula are added to the HDPE and allow the monofilament to keep its mechanical characteristics for a long time and to resist the action of the atmospheric agents, in particular UV rays.

High resistance is essential for anti-hail nets since they carry a considerable amount of mechanical solicitations.

ANTI-HAIL NETS

Anti-hail nets represent HELIOS GROUP srl core business, whose attributes meet the highest standards in quality. Such nets are woven with special looms by plain weaving in order to make installation and tensioning easier and thus simplifying hail unloading.

The textile construction of our nets is the so-called “Leno Weaving” with the yarns in warp which are interlaced two by two (like a propeller) in order to strengthen the position of the cross-weft yarn.

HELIOS GROUP srl range of anti-hail nets includes different colors: •**BLACK** •**TRANSPARENT** •**GREY** •**WHITE**.

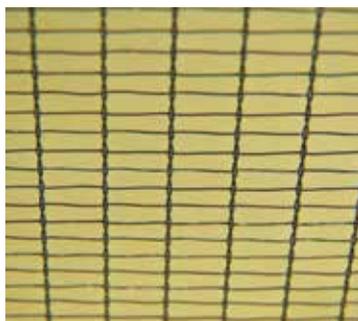


From The Net To A Fully “Ready To Go” Installation

HELIOS GROUP srl has got an internal department for the packing of **rolls of nets “on demand” in order to suit all clients’ system needs**. Moreover, thanks to the professionalism and experience of its technical engineers HELIOS GROUP srl plans and personally arranges every type of anti-hail cover, finding the best solution to every specific request. In this way, thanks to its own installation teams, who are specialized in preparing the support structure and in setting up and attaching the nets, HELIOS GROUP srl is able to offer its anti-hail equipment fully installed and “ready to use”.



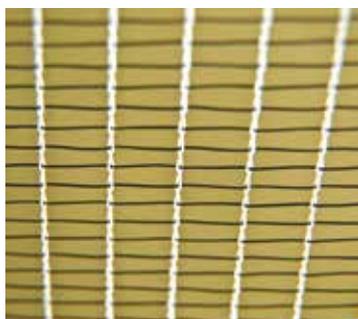




ANTI-HAIL NET **CARBONLUX**®

COD. **RWNN**

Structure	Leno Weaving
Mesh	mm 2,8 x 8,0
Color	Black
Monofilament	Pure HDPE 100% UV-Stabilized, diam. 0,32 mm both in Warp and Weft
Reinforcements	Central and Lateral Reinforcements - Black
Shading	18%

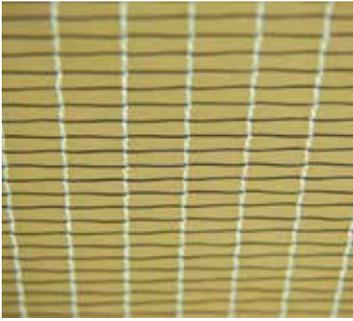


ANTI-HAIL NET **PLATINLUX**®

COD. **RWVN**

Structure	Leno Weaving
Mesh	mm 2,8 x 8,0
Color	Warp – Titanium; Weft – Black
Monofilament	Pure HDPE 100% UV-Stabilized, diam. 0,32 mm both in Warp and Weft
Reinforcements	Central and Lateral – Black
Shading	15%

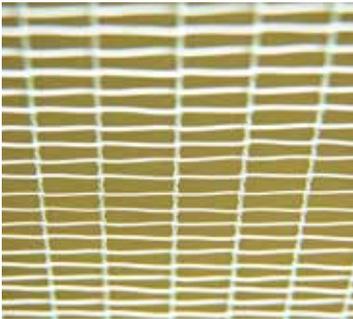




ANTI-HAIL NET **SILVERLUX®**

COD. **RWMN**

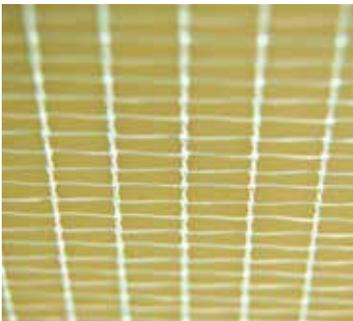
Structure	Leno Weaving
Mesh	mm 2,8 x 8,0
Color	Warp – Transparent, Weft – Black
Monofilament	Pure HDPE 100% UV-Stabilized, diam. 0,32 mm both in Warp and Weft
Reinforcements	Central and Lateral Reinforcements - Black
Shading	14%



ANTI-HAIL NET **TITANLUX®**

COD. **RWMT**

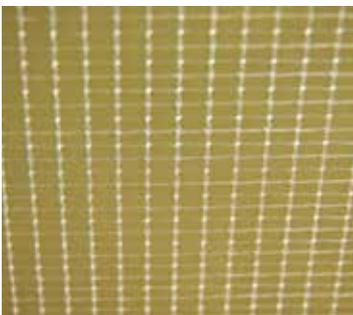
Structure	Leno Weaving
Mesh	mm 2,8 x 8,0
Color	Warp – Transparent, Weft – Titanium
Monofilament	Pure HDPE 100% UV-Stabilized, diam. 0,32 mm both in Warp and Weft
Reinforcements	Central Reinforcement – Titanium, Lateral Reinforcement – Black
Shading	10%



ANTI-HAIL NET **MAXILUX®**

COD. **RWMM**

Structure	Leno Weaving
Mesh	mm 2,8 x 8,0
Color	Transparent
Monofilament	Pure HDPE 100% UV-Stabilized, diam. 0,32 mm both in Warp and Weft
Reinforcements	Central Reinforcement – Titanium, Lateral Reinforcement – Black
Shading	8%



ANTI-HAIL NET **ALTCARPO**

COD. **RWMV**

Structure	Leno Weaving
Mesh	mm 2,8 x 4,0
Color	Transparent
Monofilament	Pure HDPE 100% UV-Stabilized, diam. 0,32 mm both in Warp and Weft
Reinforcements	Central – Titanium, Lateral – Black
Shading	10%



Thanks to our acquired experience, in response to the growing problems due to climatic factors, HELIOS GROUP srl has developed a range of products made with innovative materials (titanium), which are extremely durable, resistant and allow the nets not to degrade itself and break before the time: **HELIOS GROUP SERIES TITANIUM.**

Series TITANIUM





BAYCO® TITANIUM

The new Bayco thread for roof-ridge: innovative polyamide monofil (strand), resistant to UV-rays, 7 times lighter than steel wires, it always stays flat and prevents abrasion damages, it does not rust and, above all, it does not conduct neither electromagnetic waves nor heat, which is a bitter enemy of anti-hail nets. Since the monofil Bayco is a bad heat conductor, damages due to overheated steel wires are now no more possible!



ICE+® CLAMP - HELIOS BIG SHELL-SHAPED CLAMP HELIOS SMALL SHELL-SHAPED CLAMP

Their form and design are the same of their black twin clamps, but these clamps have all the experience of the new materials, preventing damages caused by natural agents, the sun, the heat and aggressive chemical treatments. They can reject sun rays and set, in this way, a maximum overheating temperature, which is the same as the environmental one. Thanks to this special characteristic, they protect the net from the negative effects brought by temperature increases, which cause a premature degradation of the filters that protect the raw material of the net.



TRIDENT CLAMP

New roof-ridge clamps to fix the nets, easy to install thanks to their innovative trident-design, that allows to run them quickly and easily through the net reinforcements. They are made of pure nylon, which optimizes their strength and durability. These clamps are white because of the titanium dioxide. They allow to fix the net on the roof-ridge easily without compressing the yarns, because they work only on the double small chains. The distance between the two parts of the clamp allows the free movement of the net, adapting itself to the right or left traction according to the need and the weight distribution.



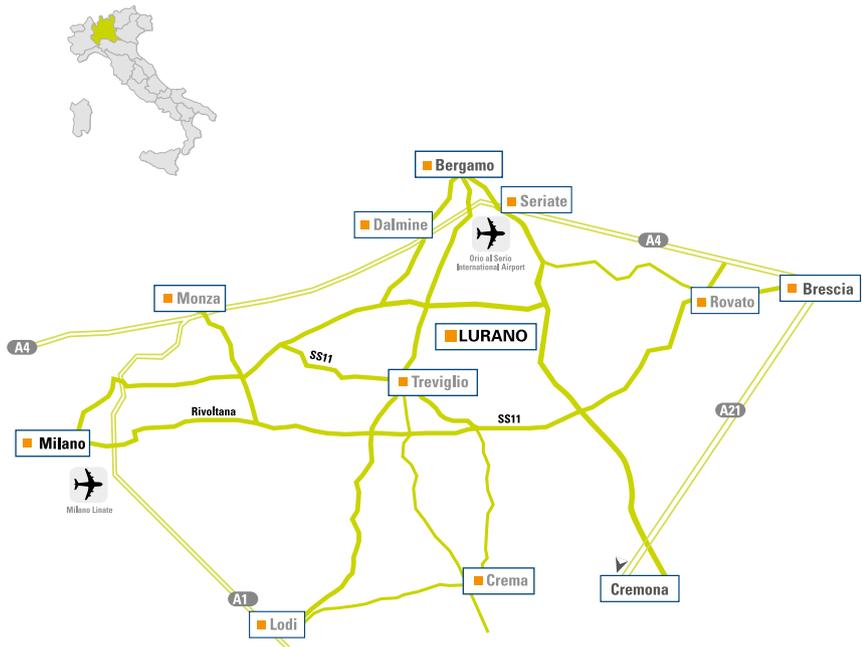
HELIOS TITANIUM CAP

Like the Trident clamp and the Bayco Thread, the new Titanium Caps are designed and produced in order to reduce the heat stress transmitted by black materials. This allows a better protection of the materials that are in direct contact with them and permits a longer durability of the net than the black caps do.



Some Of Our Installations





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