

TECHNICAL FEATURES-SPECIFICATIONS

Pre-galvanized and painted steel S280GD, Z275,
Primer 7 mm, Polyester 20 mm.

Steel thickness: 0.6mm

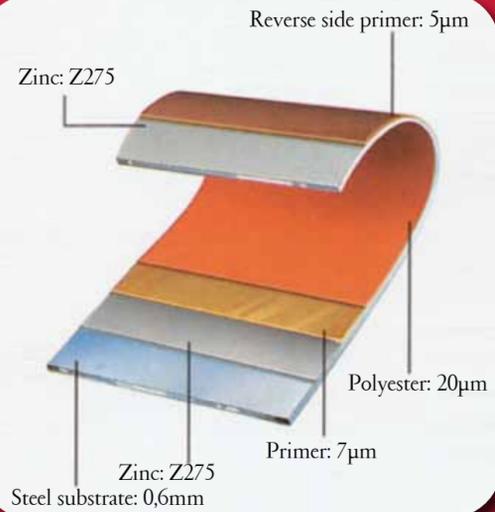
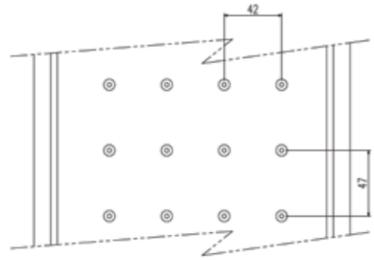
Color: RAL 9002

Gutter Width: 205 mm

Gutter Height: 90 mm

Side Channel Dimensions: 31X40mm

Length: minimum 4 meters, without maximum
restrictions



Accessories



ELASTRON

STEEL SERVICE CENTERS

Headquarters

Ag. Ioannis Ave., Ag. Ioannis

Aspropyrgos, Zip 193 00, Greece

Tel. 0030 210 5515000 | Fax: 0030 210 5515015

www.clastron.gr



ELASTRON

STEEL SERVICE CENTERS

Discover hydroponic
metal gutter EL HG200
for high efficient
cultivation!



▲ -30% CONSTRUCTION COST
 ▲ -15% COSTS OF NUTRIENTS
 ▲ +20% PROFITABILITY OF CULTIVATION



▲ QUICK INSTALLATION
 ▲ PRODUCTION OF THE METAL GUTTER IN SITE

ELASTRON GROUP IS A LEADER IN THE STEEL POSSESSING AND RESALE INDUSTRY

ELASTRON Group has evolved from the dynamic footprints of A. KALPINIS - N. SIMOS Group, and is a leader in the steel possessing and resale industry in Greece. With over 50 years of presence in the steel industry, it has evolved to the main processor and reseller of steel products in Greece with strong international and long-standing domestic partnerships.

The group ELASTRON is operating two STEEL SERVICE CENTERS in privately owned facilities in Aspropyrgos and Skaramagkas, fully equipped with state-of-the-art equipment, aiming to manufacture products with high standards. Indicatively Group's key activities include the processing and reselling of flat and long steel products, namely corrugated and trapezoidal steel sheets, ecotiles, coils, hollow sections, tubes and many more.

The future outlook of the Group appears favorable and encouraging, due to its competitive advantages, the experience and reliability. The main target is to expand and develop products for new activities in Greenhouse constructions as the production of hydroponic metal gutter EL HG200. It is about a new innovative product for the Greek market, ideal for Greenhouse systems with high productivity and quality results.

EL HG200: IDEAL FOR HYDROPONIC GREENHOUSE CULTIVATION

ELASTRON's hydroponic steel gutter EL HG200 is Ω type gutter with an elevated surface and two side channels. It can be installed in special designed bases or hanging from the roof of the greenhouse structure in wire hanging systems. It is constructed from high resistance pre-galvanized-painted steel. Special embossments created during the production process, confer optimal adhesion and antislip surface in touch with any cultivation substrate. In addition, the special side ridges confer optimal strength and zero demorfotions-distortions to the gutter.

ADVANTAGES OF THE ELEVATED HYDROPONIC GUTTER SYSTEMS

- ▲ It facilitates the cultivation. Worker's production increases due to the convenience in plants harvest and care procedures.
- ▲ Ideal for nutrient solution recycling.
- ▲ Excellent ventilation in the area of the plant's roots.
- ▲ Good lighting in the plant's base due to reflection of the ground white cover.
- ▲ Contact avoidance of the leaves-vegetables with the ground.
- ▲ Humidity reduction resulting to less possibility of infection by Botrytis.
- ▲ Facilitation of cultivation techniques increasing the efficiency of the labors with multiple financial benefits.
- ▲ Steel gutter is ideal for closed cultivation systems since the connection of the gutters with the irrigation tubes of the nutrient solution is easy.
- ▲ The irrigation tubes can be placed under or next to the gutters.

- ▲ Placement under the gutter in order to avoid the exposure of the irrigation tube in the UV radiation

ADVANTAGES OF CLOSED HYDROPONIC SYSTEMS

- ▲ Big savings in water consumption due to recycling on the nutrient solution.
- ▲ Savings in the use of fertilizers since the nutrient solution is recycled after treatment.
- ▲ Minimum pollution of the environment since the nutrient solution is not being rejected in the environment.

ADVANTAGES OF EL HG200

- ▲ The runoff solution does not come in contact with substrate.
- ▲ The roots don't penetrate the gutter resulting to prevention of spreading root fungal diseases like Pythium sp., Phytophthora infestans etc.
- ▲ Because of the shape and the construction material, it offers excellent support to the substrate, so the substrate leans across its width.
 - The substrate doesn't slide on the gutter.

- It achieves uniform allocations of the solution in the substrate, giving best root system
- Avoidance of excessive solution in the substrate
- ▲ High outflow
- ▲ No gutter overflow
- ▲ Easy control of the parietal basin canals, easy to clean.
- ▲ The gutters substantially are covered from the gutter's surface resulting to avoid exposure in the light. Small chance of creating algae.
- ▲ EL HG200 is ideal for tomato, cucumber, pepper and other cultivations with all the substrates (rock-wool, perlite, coco pit, and more)