



LSM 70

LSM 70 (Lamella Settler Module 70 mm)

is a lamella pack obtained by the assembly of PS thermoformed plates.

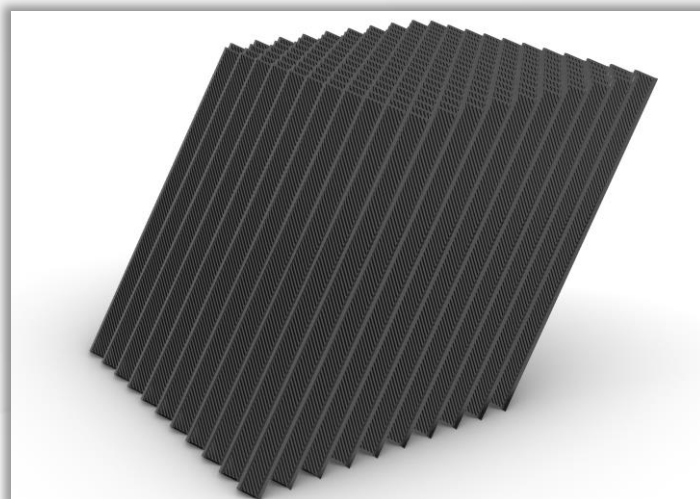
Design

The product has been studied to maximize the projected surface without limiting the wastewater free passage.

The lamella pack can be made of different sizes and inclinations.

Furthermore, it is possible to cut them to size: all these customization possibilities make the product easy to adapt to any kind of plant or basin, including circular ones.

The structure is self-supporting, so it is not necessary to use metal frames. Anyhow we suggest to use them whenever you wish to simplify the maintenance and installation operations.



Main applications:

The channels sizes and the considerable projected surface allow this product to find a wide use in many applications in wastewater treatment, among with:

- ❖ primary and secondary clarifiers (settlers) in wastewater treatment plants;
- ❖ clariflocculation
- ❖ settlers in potabilizer plant
- ❖ oil and water separation systems

Caratteristiche dei Polimeri:

The PS used to make this lamella settler module comply with the most restrictive standards, presenting many advantages:

- ❖ Lightness, which allows an easy handling
- ❖ High mechanical resistance
- ❖ Resistance to the majority of chemicals and to the biological aggression
- ❖ On demand the product can be supplied in PVC/PS compatible with drinking water applications

Material	Colour	Standard Thickness	Working Temperature	Standards compliance
Standard PS	black	Max 1000 micron	-5°C ÷ 77°C	
Standard PVC	black	Max 900 micron	-5°C ÷ 60°C	CTI 136 ASTM E-84

Wastewater Treatment



Formati

Sheets sizes depend on the mould size and from the possibilities given by our thermoforming machines. On request we can supply cut to size blocks. LSM 70 can be supplied both in pre-assembled blocks and sheets to be assembled on site.

The latter option allow to optimize the freight volume and consequently to reduce the transport costs.

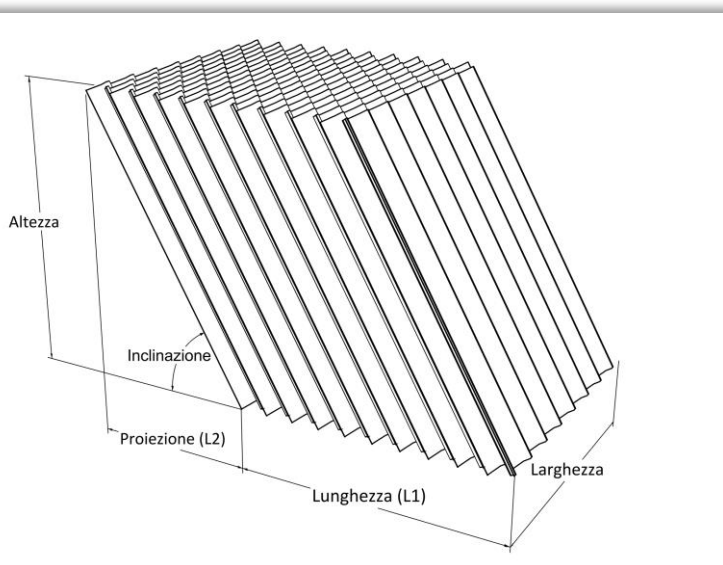
The assembly process can be chemical, using a solvent glue, which doesn't leave any residual in the finished product, or thermal, by welding. Refill-tech can supply the suitable machines to make these operations.

Dimensione pacchi standard

utilizzo	Width B	Inclination	Length L (without projection)	Height H (min ÷ max)	Projected Surface
Clarifier (settler)	1250 mm	60°	pitch 53 mm	540 ÷ 1580 mm	12,30 m ² /m ³
Oil water separator	1250 mm	45°	pitch 65 mm	455 ÷ 1305 mm	17,20 m ² /m ³

Dati Idraulici pacchi inclinati a 60°

Hydraulic Radius	Hydraulic Diameter	Minimum free passage
1,75 cm	7,00 cm	Ø 70 mm



Telai di contenimento e sollevamento:

To simplify maintenance and installation operations, as well as to give a stronger structure to the blocks, Refill-tech can supply made to size metal frames in AISI 304, AISI 316L and galvanized sheet, suitably shaped and equipped with lifting hooks.

