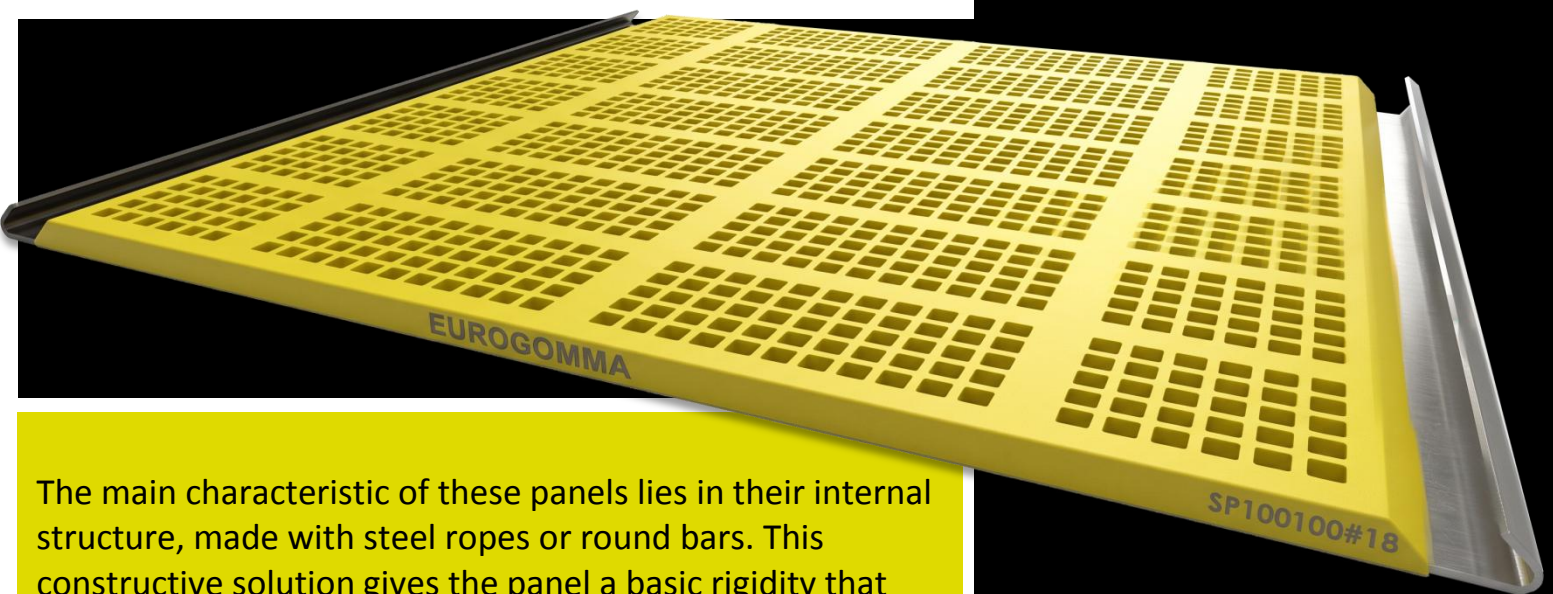


EUROGOMMA

Self-supporting polyurethane screen panels

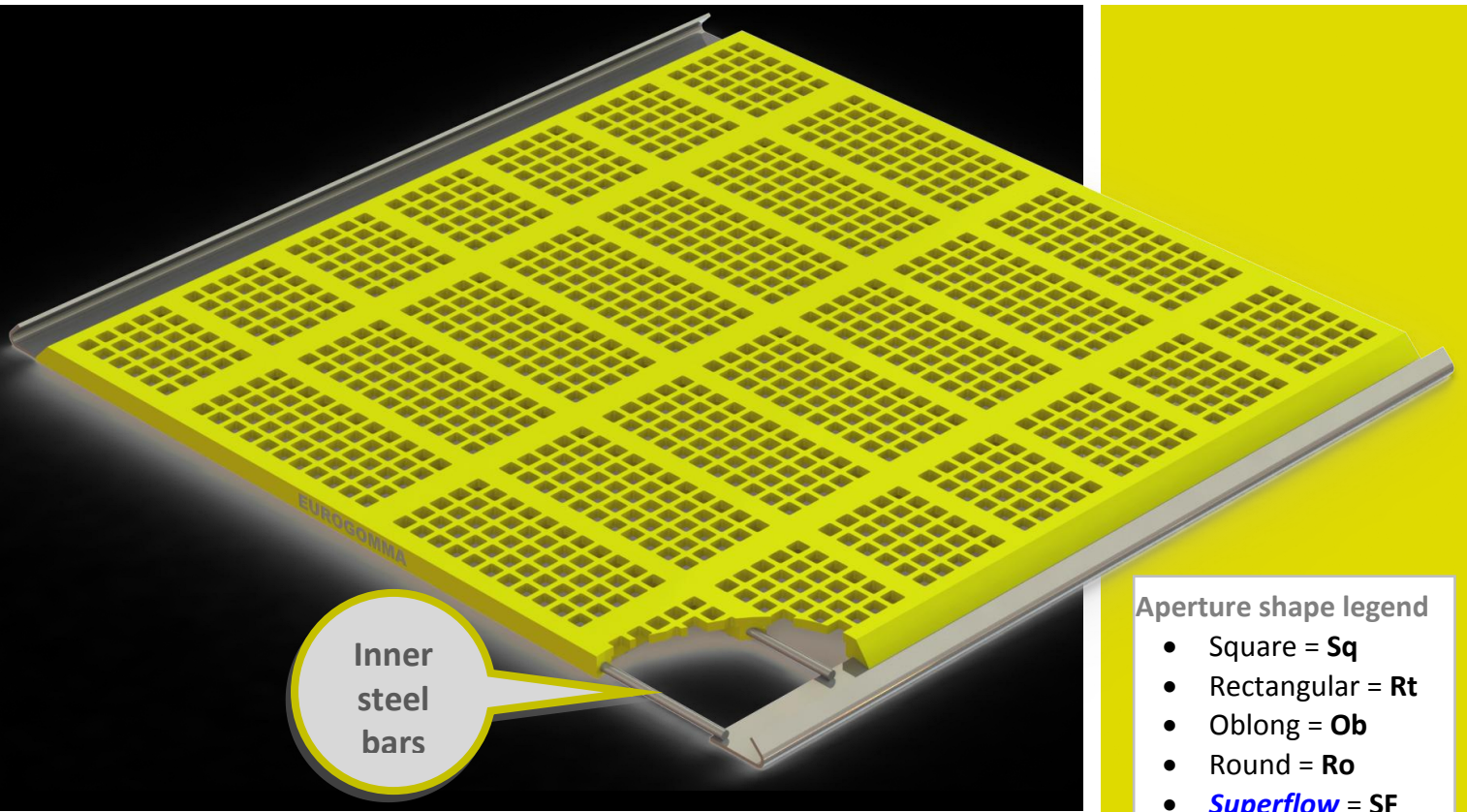
Construction and internal structure

EUROGOMMA's self-supporting polyurethane screen panels represent an advanced technical solution for all those industrial applications where durability, solidity, and a wide screening surface are required. These products are the result of years of experience in the screening sector and stand out for their versatility and reliability even in extremely demanding operating conditions.



The main characteristic of these panels lies in their internal structure, made with steel ropes or round bars. This constructive solution gives the panel a basic rigidity that guarantees dimensional stability during operation, while maintaining a certain flexibility that allows installation on both flat and curved decks. The internal frame is solid but at the same time bendable, perfectly adapting to the geometries of any vibrating screening machine.



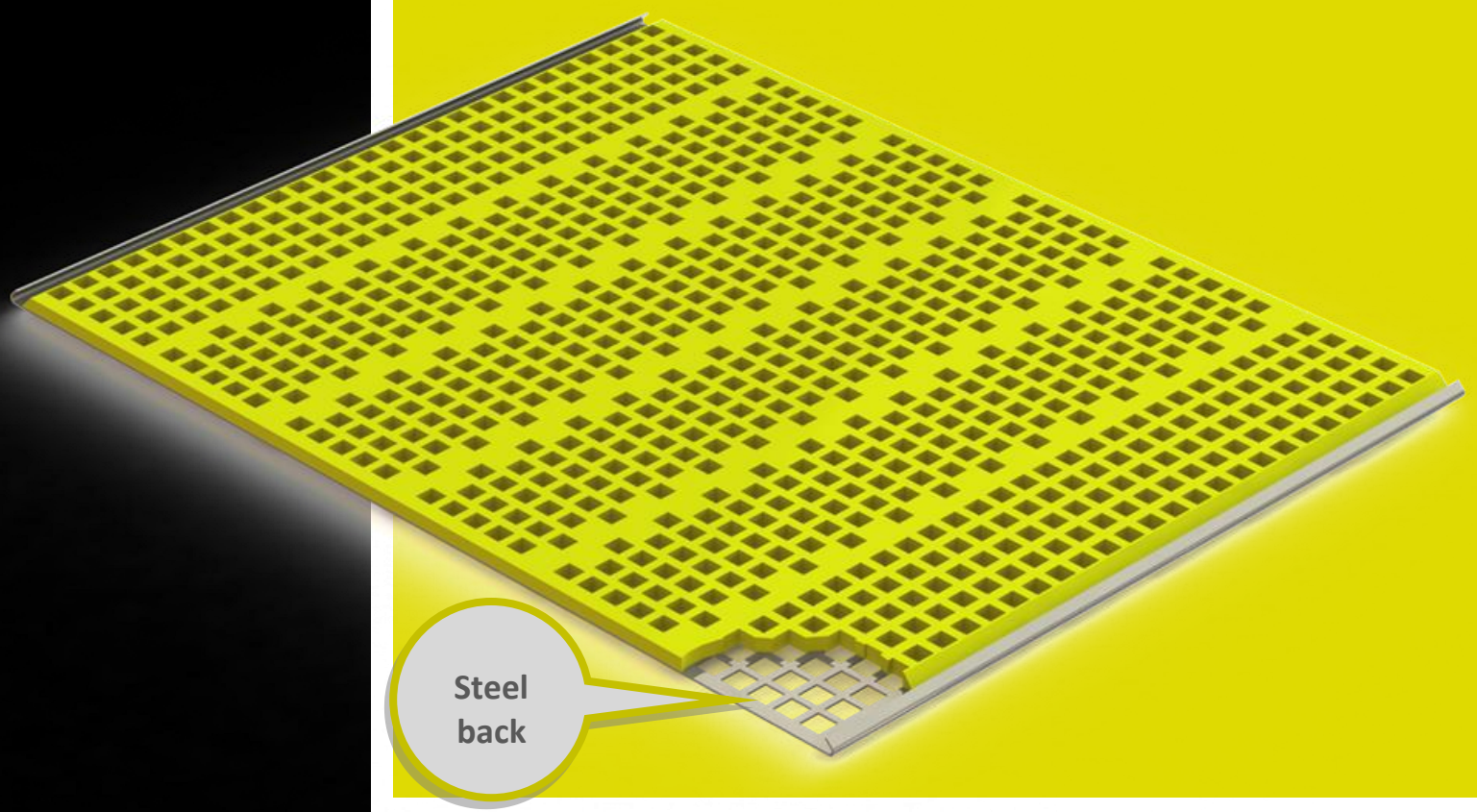


Aperture shape legend

- Square = **Sq**
- Rectangular = **Rt**
- Oblong = **Ob**
- Round = **Ro**
- **Superflow** = **SF**

Standard range

Aperture size	Aperture shape	Supporting structure	Wear thickness	Panel thickness
2mm	Sq/Rt/Ob/Ro/SF	inner steel bars	2mm	20mm
3mm	Sq/Rt/Ob/Ro/SF	inner steel bars	2mm	20mm
4mm	Sq/Rt/Ob/Ro/SF	inner steel bars	3mm	22mm
5mm	Sq/Rt/Ob/Ro/SF	inner steel bars	3mm	22mm
6mm	Sq/Rt/Ob/Ro/SF	inner steel bars	3mm	22mm
8mm	Sq/Rt/Ob/Ro/SF	inner steel bars	4mm	25mm
10mm	Sq/Rt/Ob/Ro/SF	inner steel bars	4mm	25mm
11mm	Sq/Rt/Ob/Ro/SF	inner steel bars	4mm	25mm
12mm	Sq/Rt/Ob/Ro/SF	inner steel bars	4mm	25mm
14mm	Sq/Rt/Ob/Ro/SF	inner steel bars	5mm	28mm
15mm	Sq/Rt/Ob/Ro/SF	inner steel bars	5mm	28mm
16mm	Sq/Rt/Ob/Ro/SF	inner steel bars	5mm	28mm
18mm	Sq/Rt/Ob/Ro/SF	inner steel bars	6mm	30mm
20mm	Sq/Rt/Ob/Ro/SF	steel back	30mm	3+27mm
22mm	Sq/Rt/Ob/Ro/SF	steel back	30mm	3+27mm
24mm	Sq/Rt/Ob/Ro/SF	steel back	30mm	4+26mm
25mm	Sq/Rt/Ob/Ro/SF	steel back	30mm	4+26mm
30mm	Sq/Rt /Ro	steel back	30mm	4+26mm
32mm	Sq/Rt /Ro	steel back	30mm	4+26mm
35mm	Sq/Rt /Ro	steel back	30mm	4+26mm
40mm	Sq/Rt /Ro	steel back	30mm	4+26mm
45mm	Sq/Rt /Ro	steel back	30mm	4+26mm
50mm	Sq/Rt /Ro	steel back	30mm	5+25mm
55mm	Sq/Ro	steel back	30mm	5+25mm
60mm	Sq/Ro	steel back	30mm	5+25mm
70mm	Sq/Ro	steel back	40mm	5+35mm
80mm	Sq/Ro	steel back	40mm	5+35mm
90mm	Sq/Ro	steel back	40mm	5+35mm
100mm	Sq/Ro	steel back	40mm	5+35mm



Sheet metal back option

As a further constructive alternative, the panel can be equipped with a metal sheet back instead of or in addition to the steel ropes. This solution is particularly suitable for applications where greater structural rigidity, better load distribution, or higher resistance to intense mechanical stresses is required. The sheet metal back also ensures greater planarity of the panel, optimizing contact with the tensioning bars of the screening machine.

Installation and compatibility

The self-supporting polyurethane panels are installable on all types of vibrating screens through cross or long tensioning bars. This feature makes them extremely versatile and compatible with the vast majority of machines on the market, reducing replacement times and costs. Installation is quick and does not require special equipment, ensuring simple and efficient maintenance.



Polyurethane materials and available hardnesses

One of the strengths of this product range is the ability to customize both the polyurethane material and the hardness, both for the screening surface and for the panel body. Depending on application requirements, it is possible to choose from different polyurethane compounds with different mechanical characteristics: from particularly soft and flexible formulations, ideal for sticky and clogging-prone materials, to high-hardness compounds for abrasive applications and heavy materials. Choosing the right combination of material and hardness is fundamental to optimizing screening performance and maximizing the useful life of the panel based on the material being processed and the operating conditions.

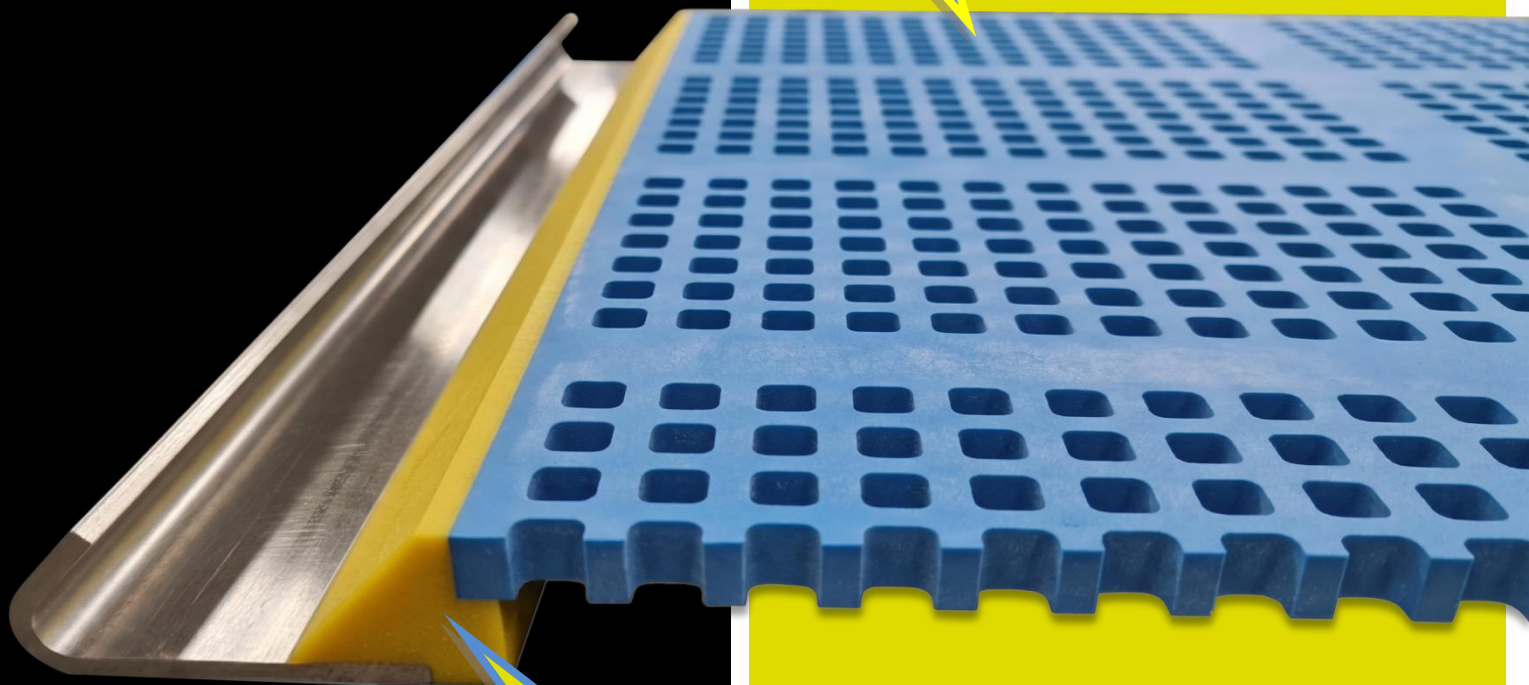
Rigid or flexible screening areas

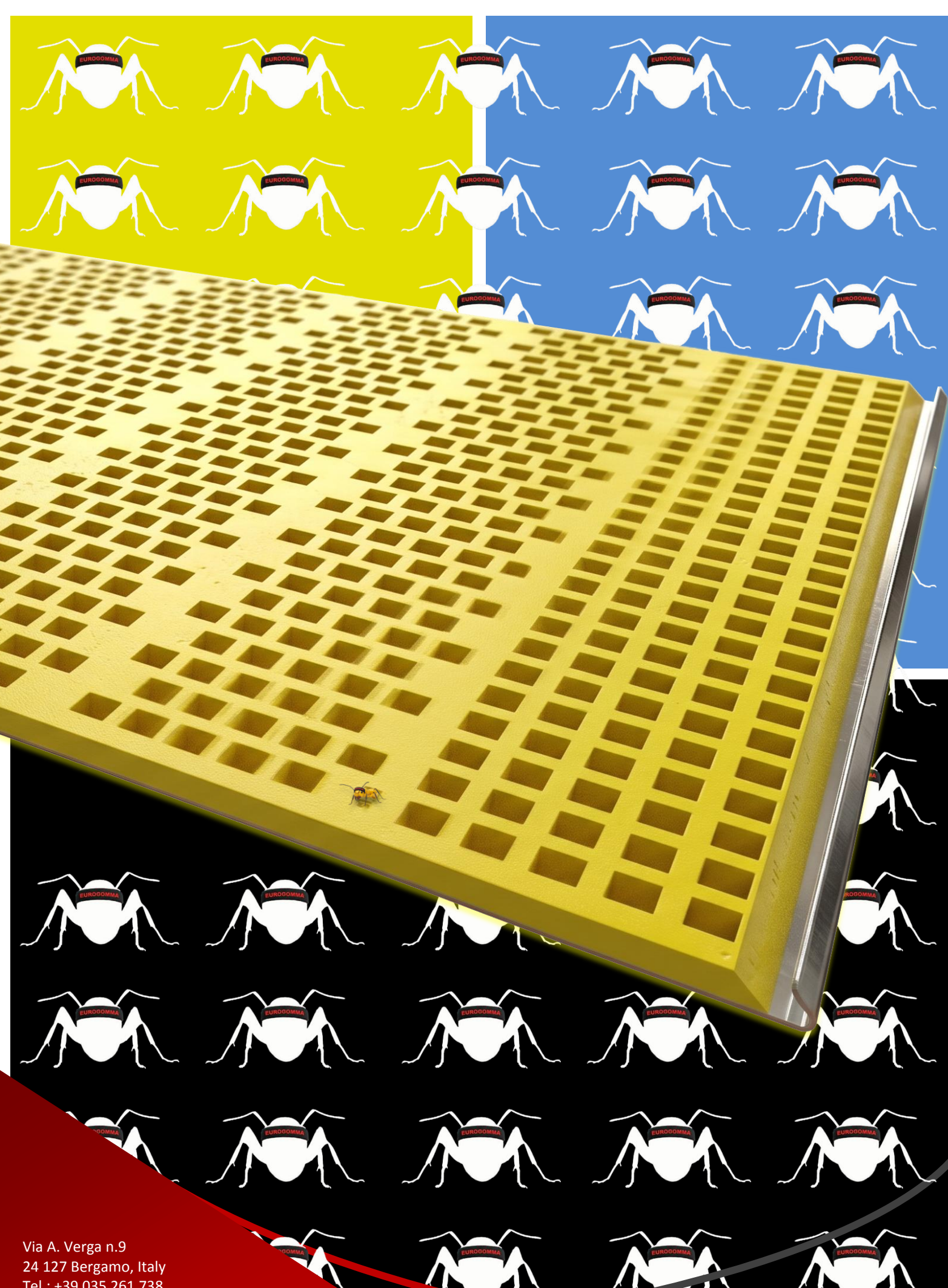
Screening areas can be made in either rigid or flexible versions, with extremely high wear resistance.

This dual possibility allows the product to be adapted to the specific needs of each application. In cases where the solidity of the panel may represent a problem — such as when sticky and clogging materials need to be screened — **EUROGOMMA** proposes flexible tensioned screens, capable of offering excellent screening performance in any operating condition, ensuring continuous cleaning of the surface through vibratory motion.

Soft
PU

Rigid
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