

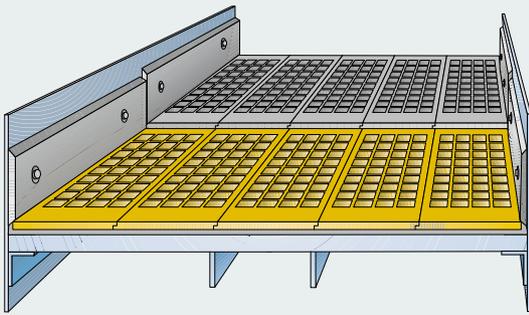
# Trellex Screening Media





## Trellex Screening Media

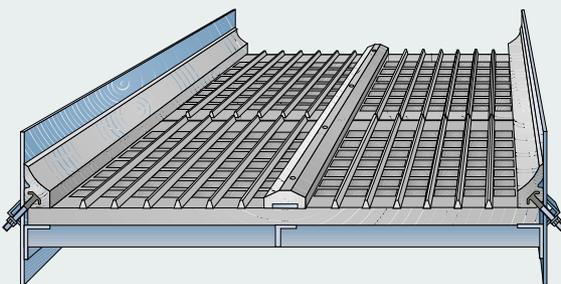
**Trellex's product range of polymer screening media, of both rubber and polyurethane is at your disposal to optimise your screening process – for lowest total cost. We provide the largest range of such products in the world! A position held, thanks to a combination of product design and experience of applications and materials. As a bonus, by using Trellex screening media combined with Trellex dust sealing, noise levels are reduced.**



*Trellex Modular step system*

### Trellex Modular Step System

The optimum modular system that fits all screening machines. Modules in both rubber and polyurethane make our modular system suitable for all types of screening. Rubber and polyurethane modules can be mixed on the same deck to provide the optimum solution for your application. The unique cascade effect improves screening accuracy and throughput. The Trellex range incorporates several different types of polyurethane modules, and many different rubber thicknesses in both soft and hard rubber, with both moulded and punched apertures.



Trellex Panelcord

### Trellex Rubber Panel System

#### *Trellex Panelcord*

A self-supporting screen media for screens without longitudinal supports. Primarily used in coarse applications but also used in many other demanding applications. All apertures are moulded and most panels have rider bars moulded to the top of the panel, to direct fine ma-

terial towards the apertures as well as increasing the wear life. Usually installed with rigid rubber side hold downs of our FL-T type and with centre hold down.

### *Trellex T-Flex SS*

In most aspects similar to Panelcord, but without the rider bars and with a larger range of apertures and thicknesses. Apertures are punched, allowing total flexibility in design and short delivery periods. Installation is the same as Panelcord.

### *Trellex T-Flex US*

All-round screen medium for screens with support frames. Available in a wide range of thicknesses and with practically any aperture size in rubber. A huge range of apertures is available for the polyurethane version. Can be rolled and is therefore common to trommel applications. Also available in polyurethane with moulded apertures. Usually installed with rigid rubber side hold downs of our FL-T type and with centre hold down (if required).

## **Trellex Tensioned Rubber Panels**

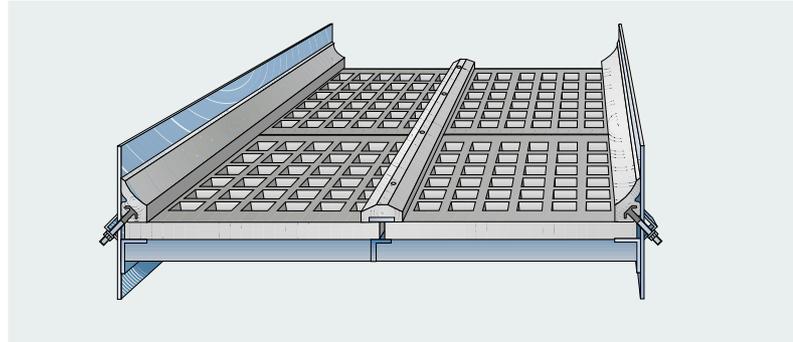
Tensioned rubber screening media for screens with support frames. Mainly used for intermediate to fine screening. Available in various thicknesses and with almost any punched aperture.

### *Trellex T-Cord*

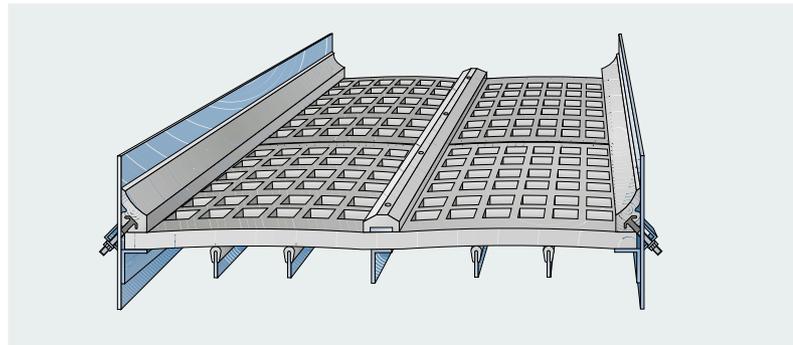
Trellex T-Cord is delivered with easy to handle tensioning hooks and installed exactly as wire mesh. Trellex T-Cord can be installed on both cross and longitudinally tensioned screens.

### *Trellex Superflex*

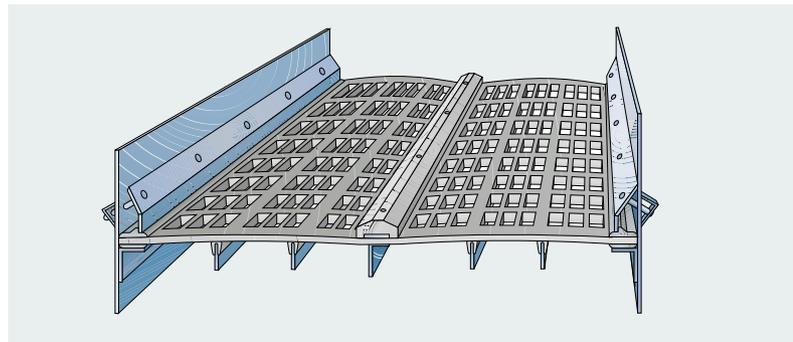
Unique rubber screen media for applications with high demands on accuracy or with blinding problems. The utmost solution for solving blinding problems. Available in various thicknesses with moulded and punched apertures. Superflex is installed on screens with longitudinal supports, and can be installed on both cross and longitudinally tensioned screening machines.



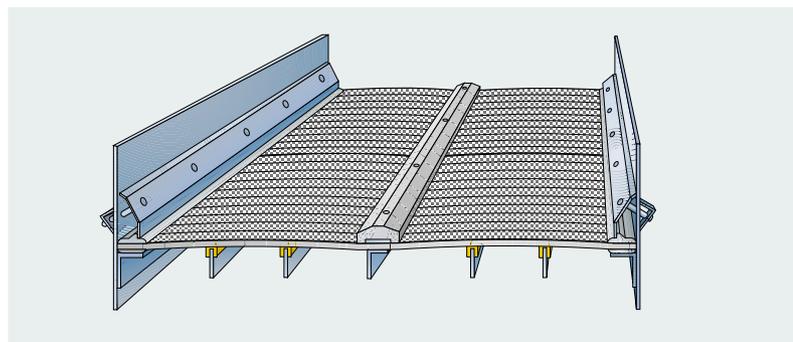
*Trellex T-Flex SS*



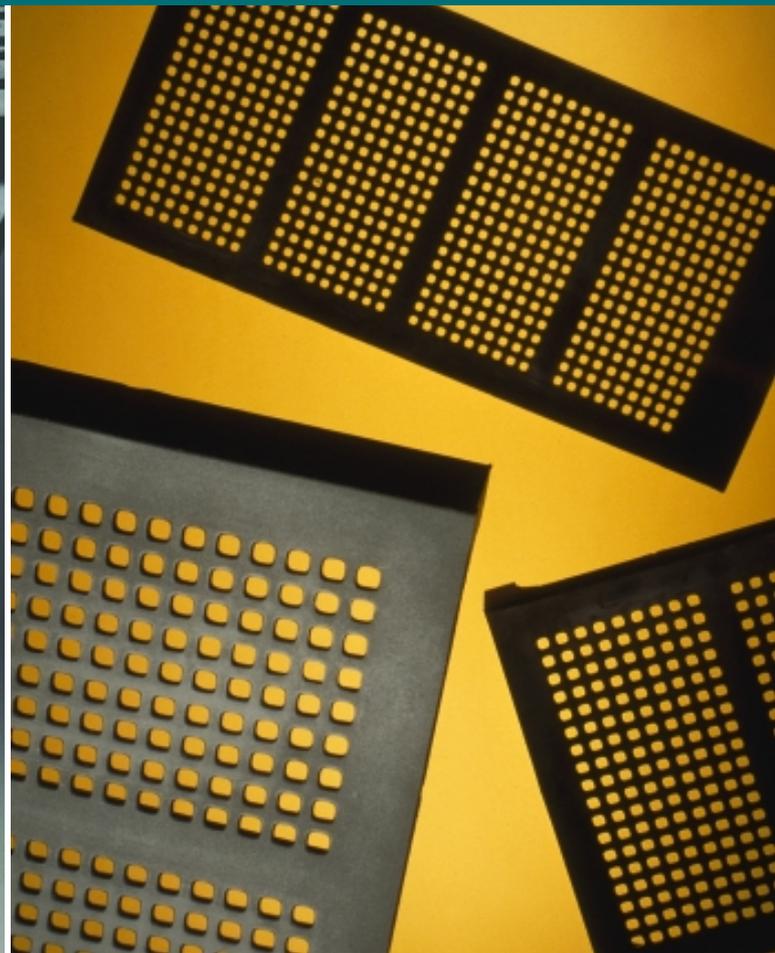
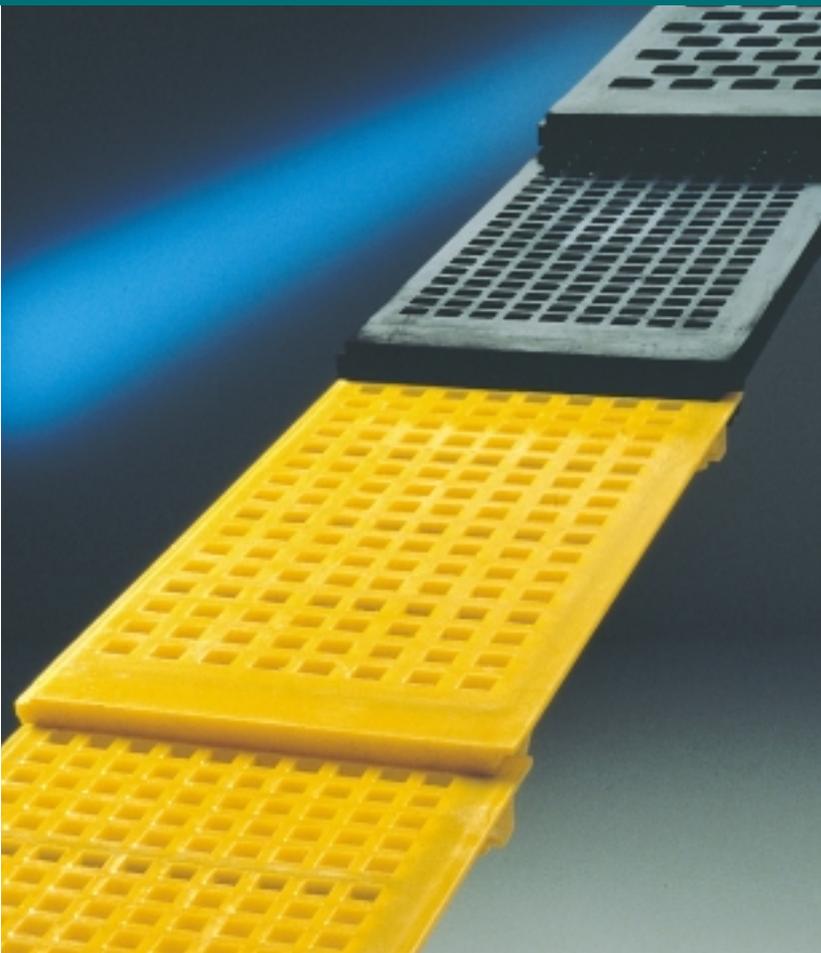
*Trellex T-Flex US*



*Trellex T-Cord*



*Trellex Superflex*



## Trellex Modular Step System the optimum modular system

Trellex Modular Step System sets a new standard for cost-efficiency. Installed at major mineral processing facilities all over the world, the system has demonstrated its ability to deliver a powerful 3-way pay off for fine and intermediate materials:

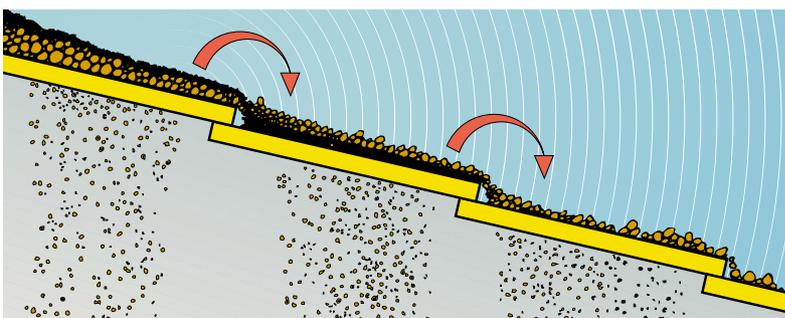
- Better screening accuracy
- Maximum service life
- Higher throughput

### Unique cascade effect

The cascade generated by the step design continuously breaks up the layer of feed material so that smaller particles are screened out faster. Stratification is maximised and fines are minimised from step to step, resulting in faster screening, which means that critical sizes are separated more effectively.

### Flat screen deck

Each step is completely flat, with no camber or dells to hold back fines. Material is spread evenly over the entire surface, so that every square centimetre of screening area contributes to better performance and more accurate screening.



Unique cascade effect

## Fast, easy installation

The Trellex 'snap-on' frame is based on steel profiles that are easy to install and require no maintenance. The screen frame is protected by the modules. Both the profiles and the modules are lightweight and easy to handle, which minimises the risk of injury and accidents.

## Excellent for difficult screening applications

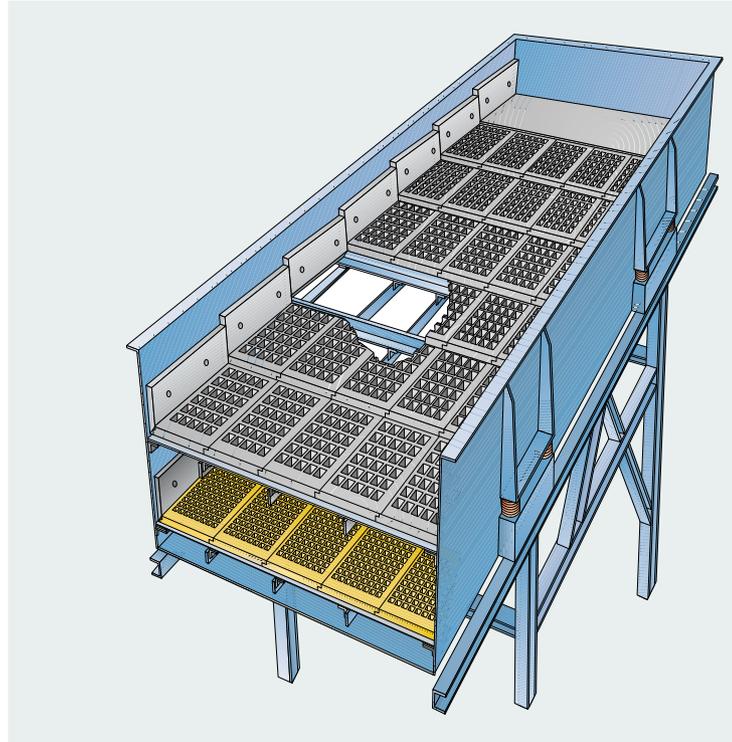
The softer Stepflex modules combine the unique features of the modular system with our (conventionally tensioned) Superflex panel. This combination means an optimal solution in dry, fine screening and screening of sticky materials. Stepflex is the perfect solution when processing difficult materials with high fines content, high near size content and exceedingly high moisture content.

## The perfect mix for your application

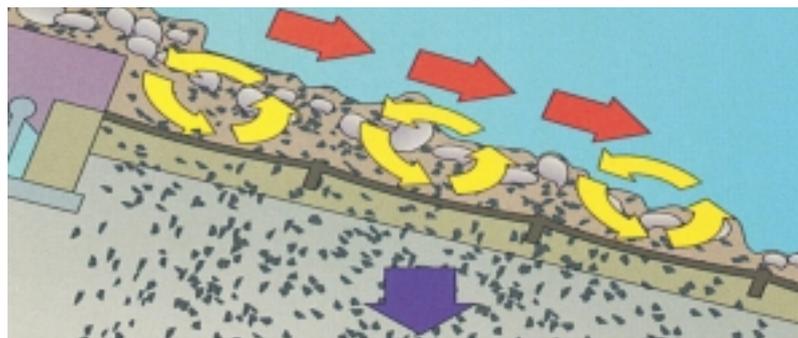
To give you the optimal combination of wear strength and performance – a Trellex modular screen deck can be easily tailored with both wear rubber and polyurethane. Perforated or blank rubber modules can be installed where impact is at a maximum. Polyurethane modules of different types can be installed further down the deck in order to maximise fine-screening performance and screening accuracy. Your screen deck is then tailored for your operation. Quickly and cost-effectively!

## More profitable screening operation

No other screen deck can give you the same pay off. Better performance, longer service life and higher throughput. Trellex Modular Step System is the key to more profitable screening!



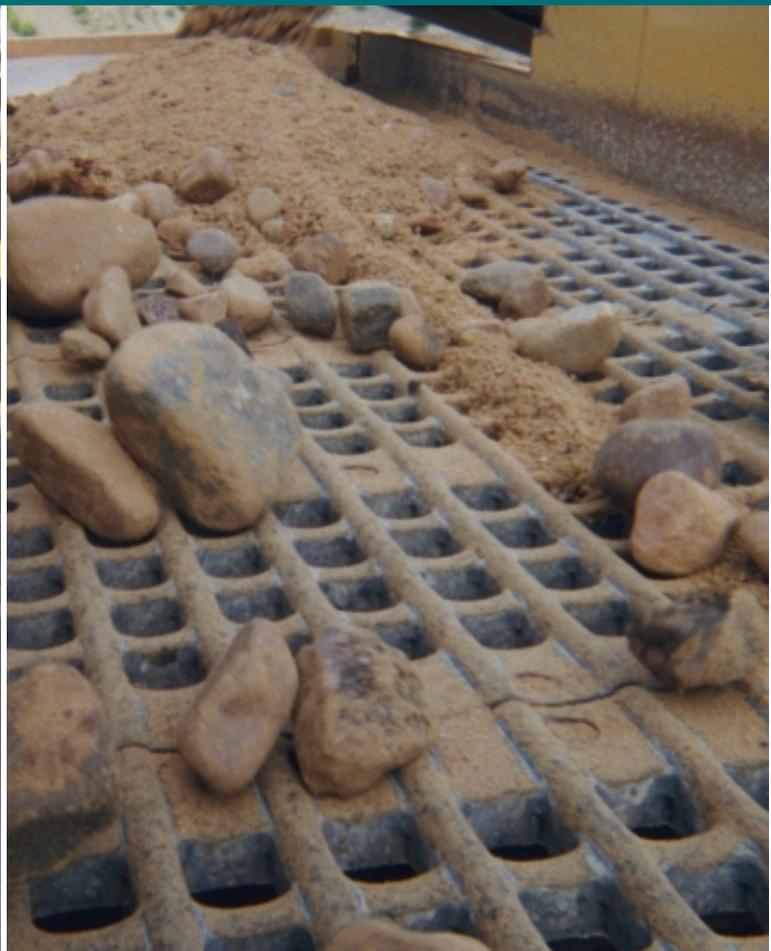
*Trellex 'snap-on' frame*



*Trellex Stepflex increases stratification*



*Trellex Stepflex with flexible rubber prevents blinding*



## **Trellex Rubber Panel System for maximum durability in tough applications**

### **Trellex Panelcord**

Is a self-supporting screening medium mainly for use in coarse and medium screening operations.

An integral steel and cord reinforcement is vulcanised within each panel. The moulded apertures are available in a wide range. Aperture shape is designed to minimise the risk of pegging and maximise the throughput. The thickest panels also have rider bars on the upper surface to increase life in coarse applications.

All Panelcord panels are tailor made to match machine size and operating conditions. A complete and well-proven attachment system simplifies both installation and further replacements. Choose Panelcord, particularly for around the clock operations, i.e. screens running with the same aperture size all the time and where minimum downtime and low cost per ton is crucial.

A proven favourite in mining applications!

### **Trellex T-Flex SS**

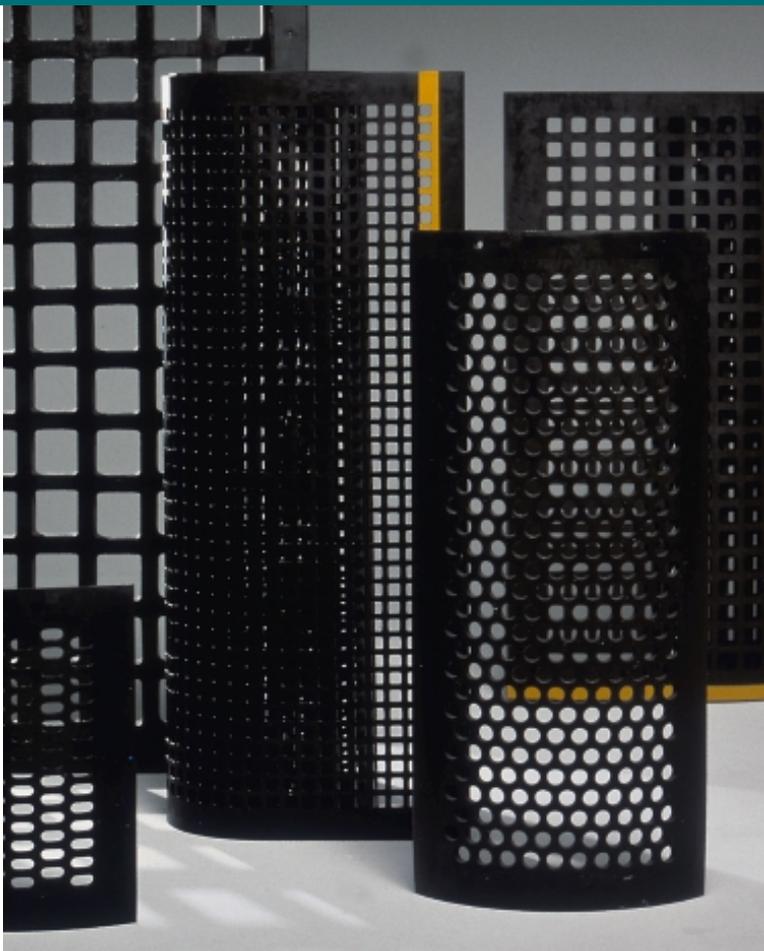
This is a self-supporting screening medium (similar to Panelcord) with heavy-duty steel reinforcement, mainly for coarse screening. T-Flex SS is delivered in a range of standard thicknesses with practically any aperture size

and type. Since the self-supporting panels do not need longitudinal supports, the screening area can be fully utilised. The same fastening devices, centre hold down and side hold down can be used on both Trelflex and Panelcord panels. Stable and reliable design with a wide range of applications.

### **Trellex T-Flex US**

Is used in coarse and intermediate screening, but can also be used for separations down to 15 mm. It is therefore a very versatile and useful screening medium designed for screens with support frames. The panels are reinforced with a steel frame and cords. Chosen as the first choice in coarse screening if the screen has a support frame. No tensioning is needed. The panels are held in place by the same type of attachment as used for Panelcord and T-Flex SS.

A wide range of thicknesses and a very large range of aperture sizes and aperture types. A very wide range of applications – and a favourite in the aggregate industry.



## Trellex Tensioned Rubber Panels for fine and intermediate screening

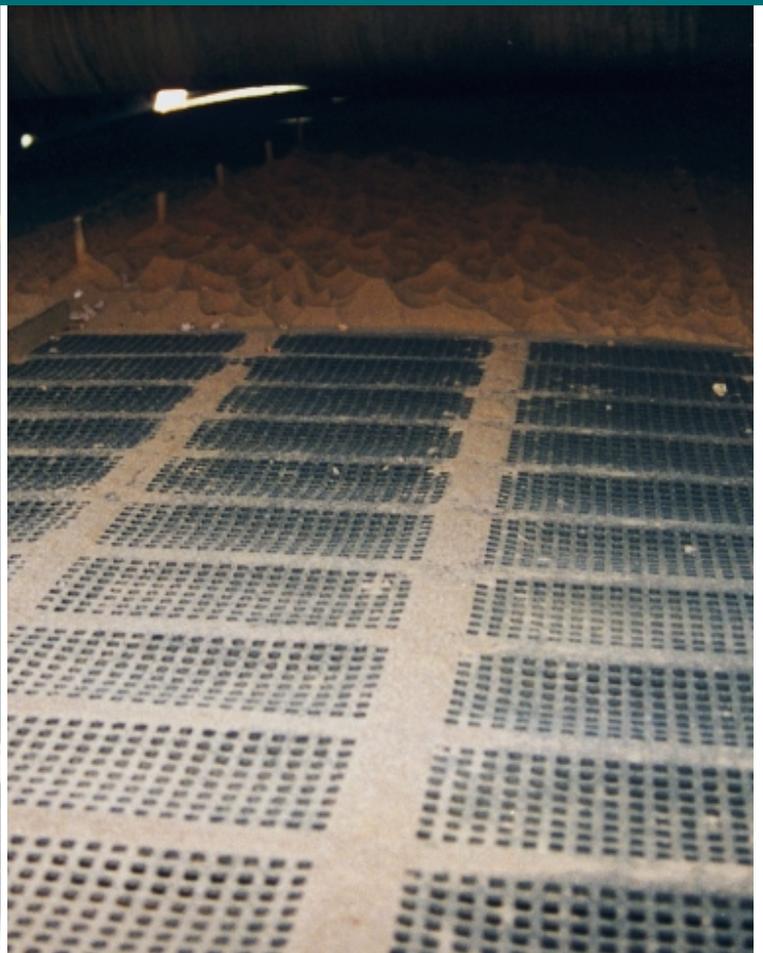
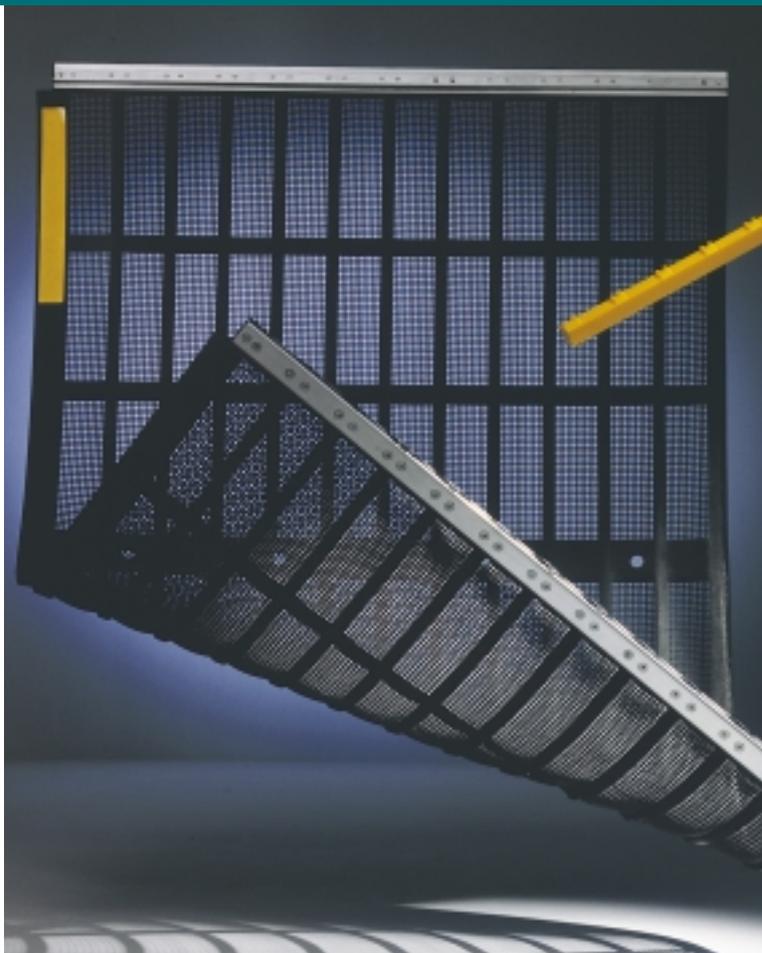
Trellex T-Cord is an all-round rubber panel designed primarily for final products of 4-100 mm. Trellex T-Cord is made of Trellex T60 wear-resistant rubber and features special heat-treated cord reinforcement that facilitates tensioning and also maintains the proper tension without the need for continuous adjustment.

The reinforcement also reduces the degree of tensioning, which contributes to a longer service life. Trellex T-Cord rubber panels are fitted with tension hooks as standard. For screen widths in excess of 1200 mm, centre hold-downs should be used. These rubber panels are normally used in thicknesses of 5-35 mm.

Long service life thanks to pre-stretched cord reinforcement and Trellex T60 rubber. Short delivery time. Easy to install. Trellex T-Cord is always delivered to match the screen's fastening system.

### Advantages

- Tailormade complete with tension hooks to suit your screen
- A wide range of thicknesses to handle feed sizes up to 250 mm
- Less down-time resulting in reduced service costs
- Suitable for applications in quarries, gravel pits, mines and steel works
- Made from wear resistant Trellex T60 rubber, designed for applications in the mineral processing industry
- A wide range of accessories available such as rubber centre hold-downs and crown bar channel rubber



## Trellex Superflex anti-blinding screen surface for fine and sticky materials

A complete system distinctively designed for fine screening of materials that tend to cause conventional steel screens to blind over. The Superflex secret lies in a thin, flexible soft rubber membrane type screen cloth, supported by reinforced rubber spacers, and provides extremely accurate separations. The highly flexible screening area counteracts blinding.

### Total concept

Superflex is packaged as a complete system and includes:

- Screen panel
- Tension hooks
- Specially designed capping strips
- Centre hold-downs (if required)

### New capping strip enhances performance and boosts lifetime

Superflex performance has been elevated with the addition of new polyurethane capping. The capping holds the cloth in place and eliminates unwanted movements,

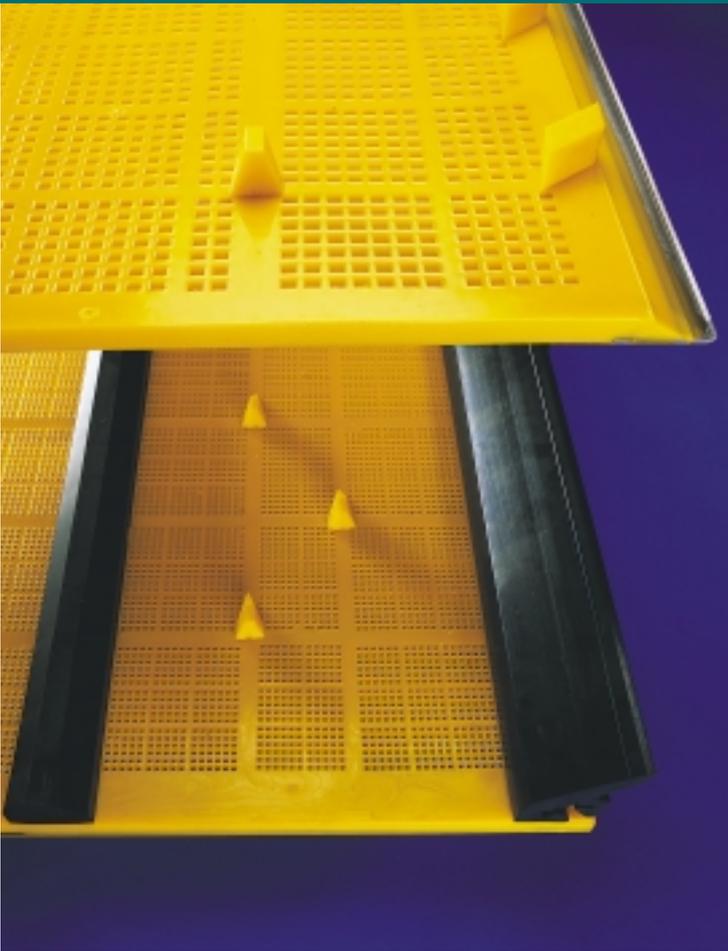
which can cause wear on the cloth. This results in an impressive improvement in product life. The capping lifts the panel from the supports and unpunched areas over the supports are thus not required. This results in more open area on the screen deck. You can expect Superflex to be cost effective based on reduced blinding, long wear life and higher screening accuracy, when compared to conventional screen cloths.

### Multi-purpose screen surface

Superflex is well suited for all types of materials, but is particularly effective on challenging materials that cause blinding:

- limestone
- sand
- clay
- gravel
- fertilisers
- iron ore
- coal
- copper
- granite
- diamonds
- platinum
- andalusite

Superflex fits all cambered screens, both cross and length tensioned design, and comes complete with lightweight tensioning hooks that can be installed directly on the screen. No deck modifications are required to install Superflex.



## Trellex Polyurethane Screen Panels well proven in practice

Trellex T-Flex PU & Trellex T-Cord PU are made of highly wear resistant polyurethane and are available in a range of grades and hardnesses for different applications, all with tailor made steel reinforcements. They fit all vibrating screens in the same manner as conventional rubber screen panels, no modification on the support frame is needed.

The configuration of each panel can be manufactured to suit your needs. Apertures are either slotted or square. Precision moulded apertures ensure consistently accurate sizing. Mainly used for medium to fine screening. Our ability to provide variety of premium polyurethane compounds allow us to recommend the ideal product for your screening application.

Trellex T-Cord PU is tensioned exactly as a wire mesh panel since it is reinforced by steel cables and the elongation is practically zero. A wide range of standard side hooks is available to suit your requirements.

Trellex T-Flex PU can be fastened in various ways by special side hold-downs, wedge systems or bolted to the support frame.

Trommel screens are a specifically successful area of application for Trellex T-Flex PU.

### Advantages

- Increased service life
- Reduced noise emission
- Good self-cleaning properties
- Exact sizing
- Fits every screen without modification

## Trellex Polymer Screening Media

### Our range:

Modular step system

Rubber panel system

Tensioned panel system

Dust control

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