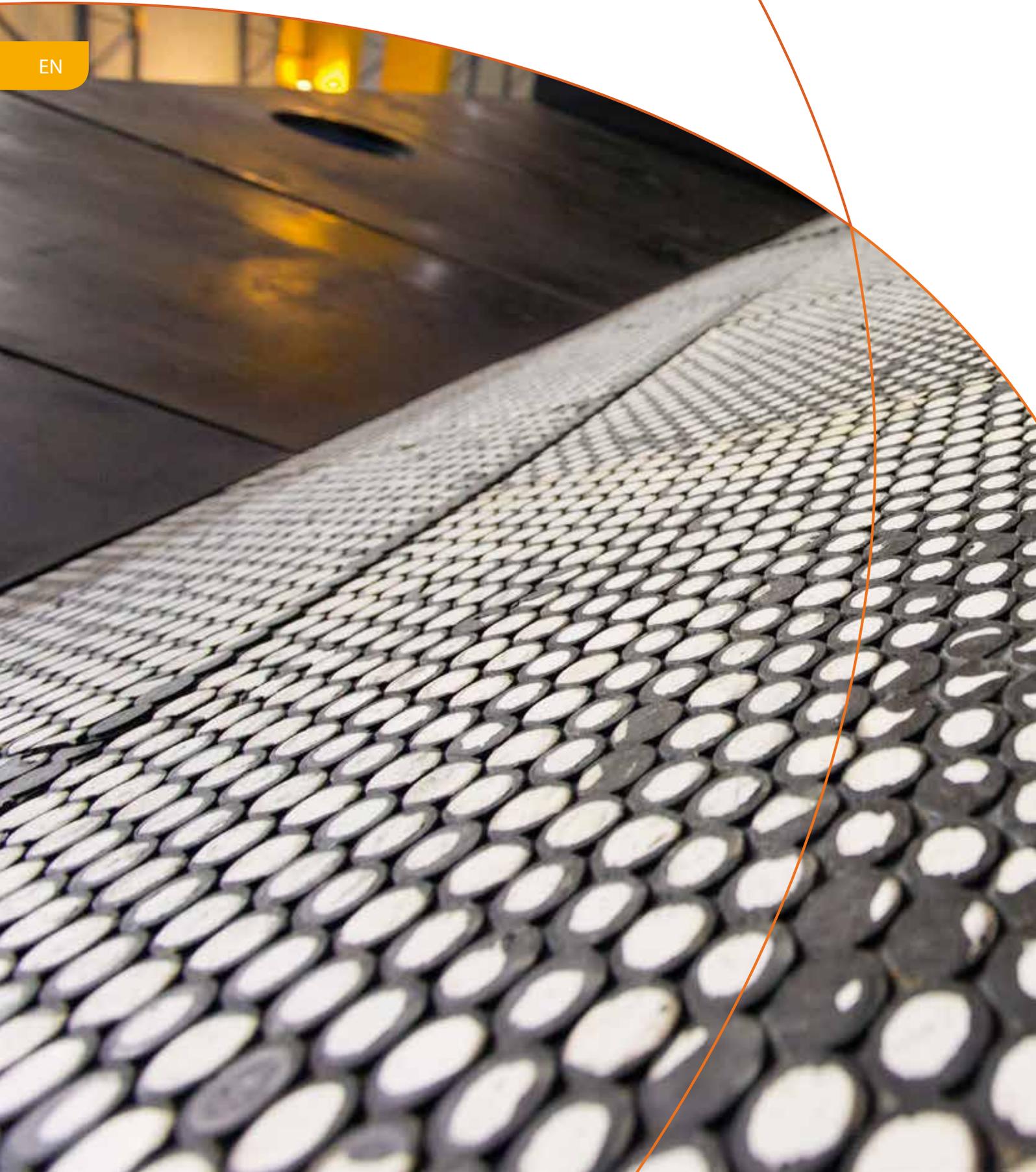


Screening and Conveyor Solutions
Trellex Poly-Cer



EN





The Trellex Poly-Cer
support you up to
profitable heights



Trellex® Poly-Cer is designed to be extremely resistant to abrasion even in high material flows and speeds. The unique design of ceramic inserts improves wear life and impact resistance. Poly-Cer also reduces noise and vibration.



Long service-life – lower total costs

The combination of the best properties of rubber and ceramics ensures an extra long life cycle in comparison with other wear protections. The extraordinarily hard ceramic elements provide unique resistance to sliding wear, while the elastic properties of the rubber effectively absorb shock impacts.

Covers difficult impact angles

Trellex Poly-Cer covers the angles of impact that are difficult for rubber and steel, and thereby ensures greater availability. For example, applications with transfer points in the transport system and material deflectors etc.

Unique ceramic design – more efficient

Ceramic elements laid out in a zigzag pattern prevent wear channelling. Using the unique bottle-like design, the ceramic elements are held in a locking effect and increase the absorption ability of angled material flow.

Installation-friendly – reduces downtime

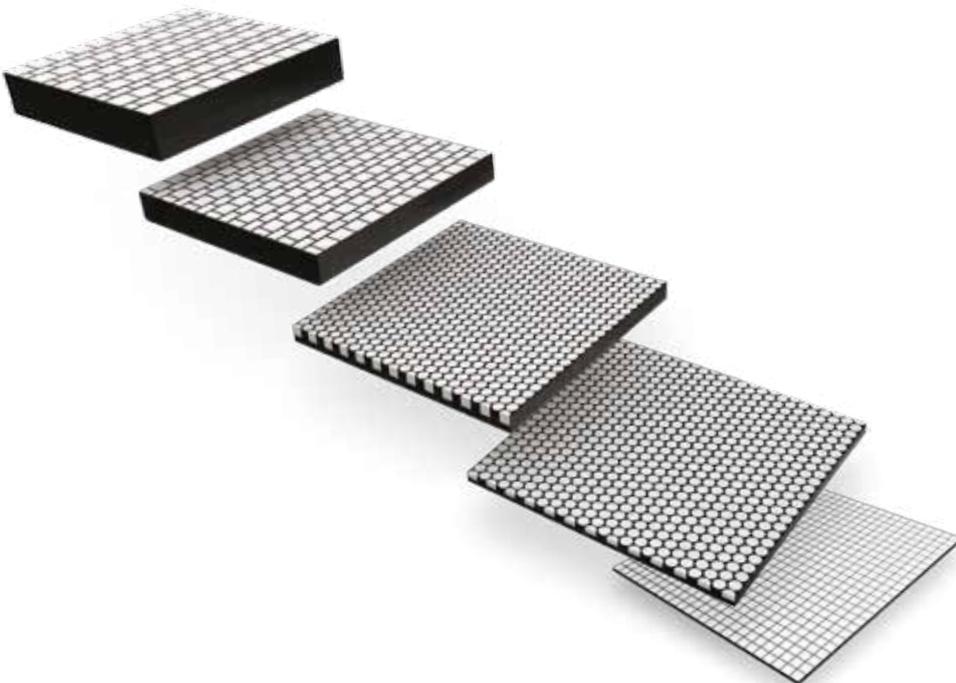
Standard sizes and adapted solutions, together with reliable and flexible attachment systems, ensure simple, quick and safe installation.

Environmentally adapted Trellex products

Trellex products beat the toughest environmental requirements. Both during the manufacturing and in the customer's working environment, as an example, reducing noise levels by up to 50%.

PAH-Free

The Trellex rubber compound does not include any PAH (Polycyclic Aromatic Hydrocarbons) – a substance which have been linked to increase risk of cancer.





Composite products of the future!

Trellex Poly-Cer a design combining the best of wear resistance and impact absorbing materials.



Trellex Poly-Cer 4S

Trellex Poly-Cer 4S is engineered using T60 wear rubber with built-in ceramics hot-vulcanized together and combined with a contact layer. Excellent wear resistance in applications with sliding wear and high material speeds, particularly where the material has only a slight impact angle. Trellex Poly-Cer 4S is optimized for medium to light mining, rock and gravel industries with lighter applications. Total thickness is 8 mm (5/16").

Trellex Poly-Cer 10S

Excellent wear protection for tough conditions with low angles of impact and high material flows. Trellex Poly-Cer 10S is the thin alternative for applications with limited lining thickness and weights. Typical applications are feeders, chutes and transfer points in conveyor systems. Total thickness is 20 mm (3/4").

Explanation product naming

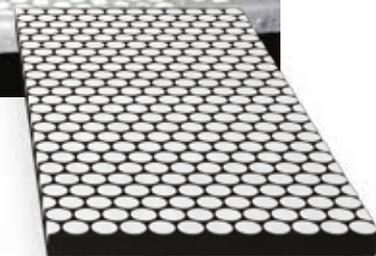
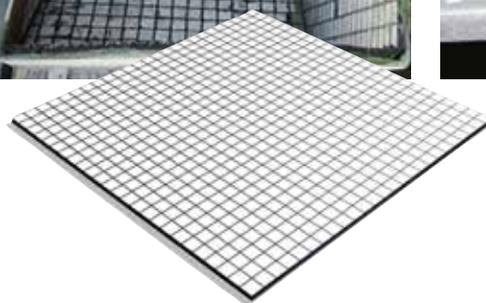
- 20S** 20 Ceramic thickness
S Standard ceramic quality
- 35/5** 35 Total thickness of Poly-Cer plate including ceramics
5 Thickness of steel reinforcement



Trellex Poly-Cer 4S 8/0



Trellex Poly-Cer 10S 20/5





Trellex Poly-Cer 20S

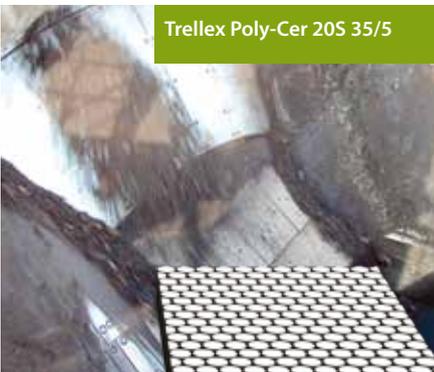
The Nestor in the Poly-Cer family, with more than 15 years behind it, is an all-round wear plate with a wide range of applications. Offers excellent results when used with large volumes and high material speeds. Typical applications are chutes and transfer points in conveyor systems, as well as material deflectors and screening chutes. Total thickness is 35 mm (1 5/16").

Trellex Poly-Cer 38S

The unique design shape of the ceramic elements and its zigzag pattern provides for tougher applications with large material, high volume flows and angled impact. Patent pending. Total thickness is 64 mm (2 1/2").

Trellex Poly-Cer 70S

An even more heavy-duty version of Trellex Poly-Cer 38S, with a similar unique design ceramic element in a zigzag pattern, the Trellex Poly-Cer 70S tackles the extreme of material, volumes and angles. The solution for long wear life. Patent pending. Total thickness is 95 mm (3 3/4").



Trellex Poly-Cer 20S 35/5



Trellex Poly-Cer 38S 64/5



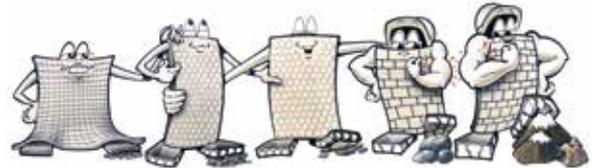
Trellex Poly-Cer 70S 95/5

Selection guide

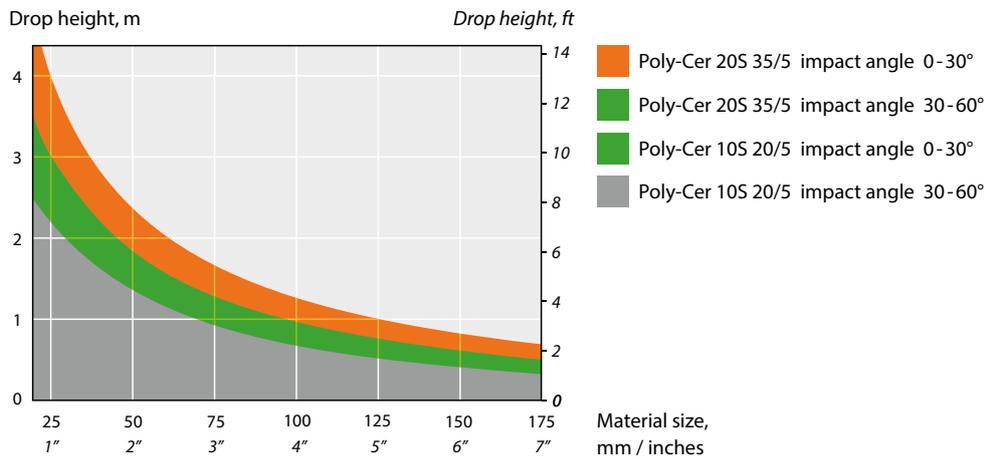
The selection guide allows you to compare and select the Poly-Cer product bringing maximum value to your application.

Application guide Poly-Cer 4S

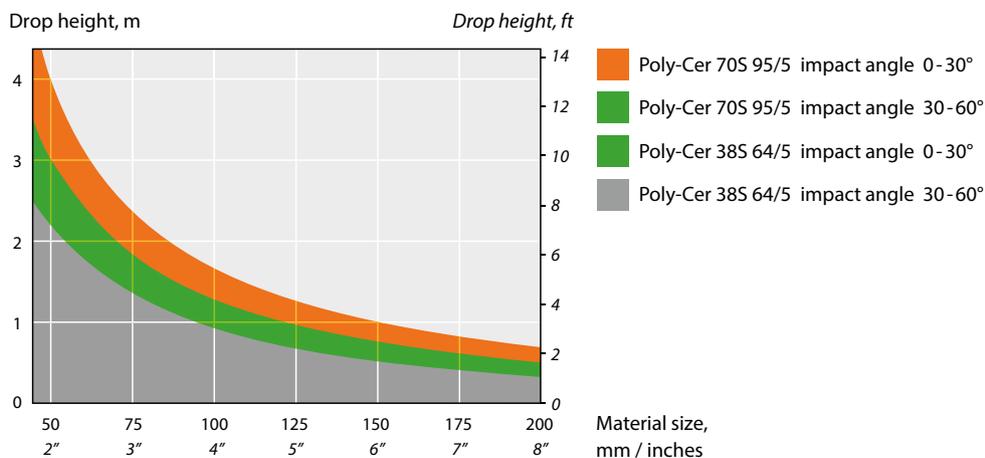
Max Drop Height	1 m
Wear Angle	0 - 20°
Material size	max 25 mm



Application guide Poly-Cer 10S and 20S



Application guide Poly-Cer 38S and 70S



Note: Proposed lining are recommendations only. Metso is not committed to any responsibility.



Trellex Poly-Cer screen feed box solution

The solution is based on either Trellex rubber system or Trellex Poly-Cer system or a mix of both. The Poly-Cer system offers a unique overlap sealing system to avoid material build up between lining and screen. Rubber backed lining gives extra support to better sealing between lining and screen thanks to the embedded reinforcement design.



Trellex Poly-Cer Wear Bar 100/38S

The standard Poly-Cer wear bar is 100 mm (4") wide and 100 mm (4") high. With built-in track at bottom for T-bolt fastening system and with ceramic top, same as Poly-Cer 38S.



Bend radius

If needed, there is an option to bend Trellex Poly-Cer 10S and 20S. The minimum inner radius you can bend without damaging is 250 mm (10").



Attachment systems

Stud bolt fastening

Dry working conditions

Stud bolt + plain washer + nut nyloc

Wet working conditions

Stud bolt + rubber sealing + cup washer + nut nyloc



T-Bolt fastening

Dry working conditions

T-bolt + plain washer + nut nyloc

Wet working conditions

T-bolt + rubber sealing + cup washer + nut nyloc

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