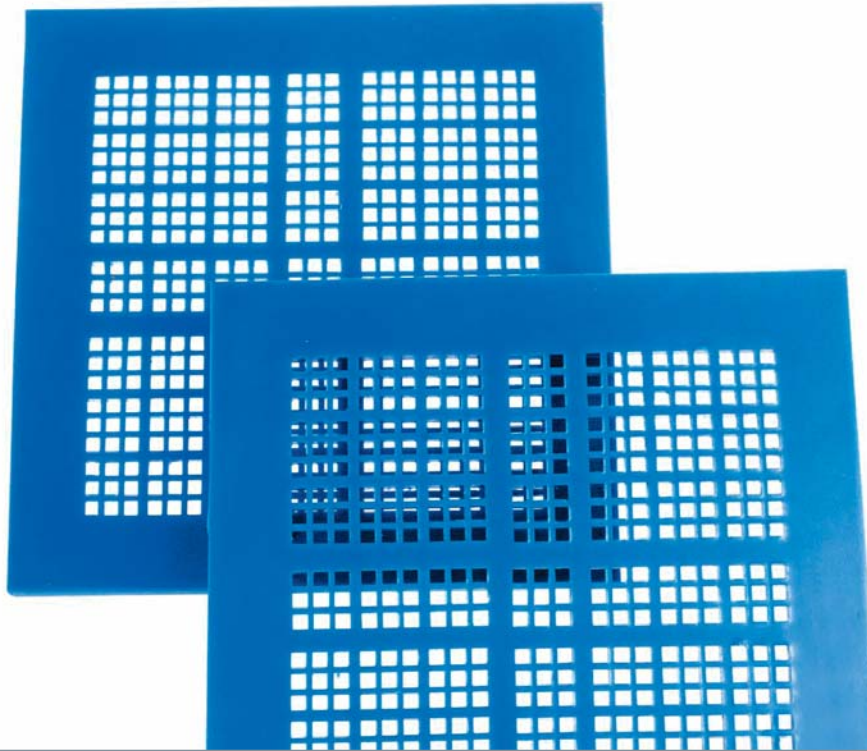


Sandvik

Pre-tensioned PU Screen Panel



A pre-tensioned polyurethane screen panel with moulded holes primarily for fine to medium coarse screening in wet applications.

Suitable for cambered screen decks and trommel screens

Sandvik pre-tensioned PU screening media is intended for installation in screens with cambered screen decks, equipped with support bars. The support bars would be protected with capping rubber. Panels are secured using Sandvik hardwearing securing system. For wide screens, centre hold down bars are recommended to prevent the panel from flapping. The panel has strong reinforcement consisting of a flat bar frame, giving it stability and eliminating the need for subsequent adjustment. The flat bar reinforcement of the panel enables it to be rolled to a radius, making it suitable for Trommel screens.

Tailor-made to suit the application

Sandvik pre-tensioned PU screen panels is a made to measure panel manu-

factured in a number of lengths, widths and thicknesses and is available with a variety of hole sizes.

Moulded apertures for more accurate screening

During the moulding process apertures are created using special moulds with release angles. When the hole pattern is designed, blank areas are left over the support bars. Hole patterns can also be tailored to fit a screen's special requirements – for example, with blank sections in areas with high localized wear.

Long life and minimal maintenance requirements

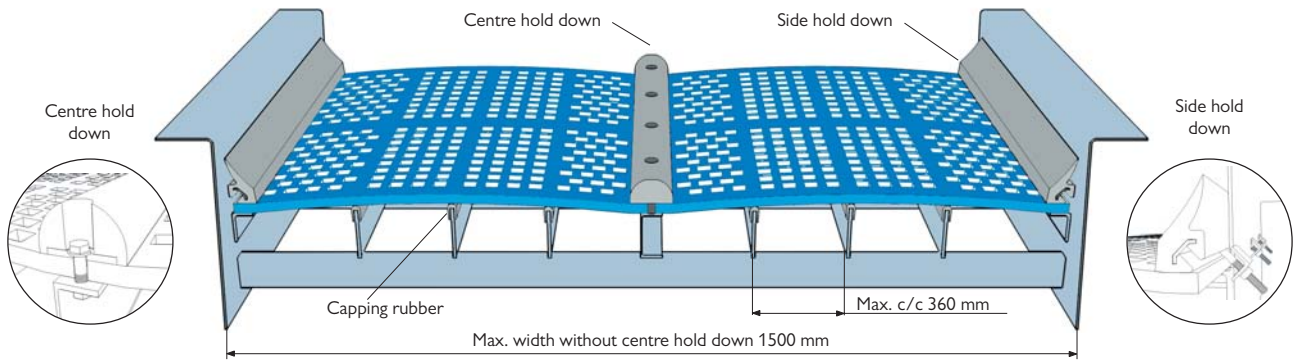
Sandvik pre-tensioned PU screening media is made of hardwearing polyurethane specially produced to cope with the tough requirements imposed on screening cloth. Its high quality

gives a long life resulting in long intervals between servicing and minimal maintenance requirements.

The moulded holes and the flexibility of the polyurethane reduce the risk of pegging and blinding of the cloth, which gives further reduction of maintenance requirements.

Reduced noise level and improved working environment

By mounting polyurethane panels on the screens, the noise level in the plant is reduced, improving the working environment, and reducing the risk of accidental damage or injury during working.



Type

Pre-tensioned polyurethane screening media.

Dimensions

Thicknesses: Hole size dependent.

Length: Max. length 1500 mm.

Width: Max. width 2440 mm.

Max. width without centre hold down 1500 mm.

Installation

On cambered screen decks.

On some screens, changing from cross-tensioning to clamps or wedges is not possible making this type of screening media unsuitable.

Materials

Wearing material: Polyurethane.

Reinforcement: Flat steel bar frame.

Tensioning device: Side hold down and centre hold down.

Apertures

FR - Square holes 3 - 51 mm in line: Used under normal conditions.

STS - Slots from 0.4 - 5 mm across the material flow: Used for wet screening and in dewatering screens.

SLS - Slots from 0.4 - 5 mm with the material flow: Used when higher capacity is desired, accuracy (oversize control) is less important and to avoid pegging in small apertures.

Applications

Sandvik pre-tensioned PU screening media has a wide range of applications but is predominantly used for wet screening of medium to coarse separations, generally with separations between 1 - 45 mm and max feed lump size of 100 mm. In addition to the applications listed below, they are also ideal in trommel screens.

Recommended area of use

Separation (mm)	Max particle size (mm)**										
	10	20	30	50	75	100	125	150	200	250	300
Dewatering	*	-	-	-	-	-	-	-	-	-	-
1 - 2	*	*	-	-	-	-	-	-	-	-	-
4 - 6	*	*	*	-	-	-	-	-	-	-	-
8	*	*	*	-	-	-	-	-	-	-	-
10 - 12.5	-	*	*	*	-	-	-	-	-	-	-
16	-	*	*	*	*	-	-	-	-	-	-
19 - 25.4	-	-	*	*	*	*	-	-	-	-	-
31.5	-	-	-	*	*	*	*	-	-	-	-
37.5	-	-	-	*	*	*	*	-	-	-	-
45	-	-	-	-	*	*	*	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-
70 - 90	-	-	-	-	-	-	-	-	-	-	-
105	-	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-	-

= Recommended area of use

= Improbable application

* Crosscord PU thickness is hole size dependent

= Borderline case

= Not recommended

** Bulk density max. 1.8 metric ton/m³

If your application falls outside the limits specified above, please contact your Sandvik Mining and Construction representative.

