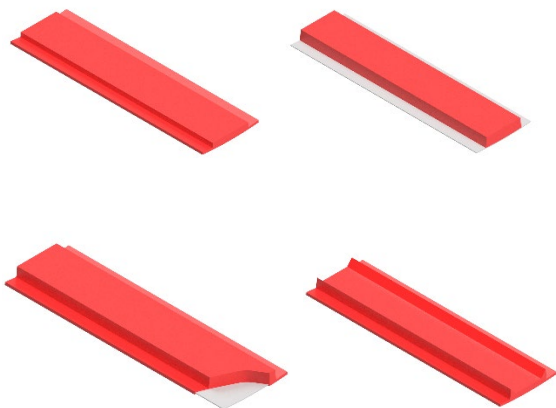


TEKNIKUM®

Polyurethane Shell Plates



Teknikum® Polyurethane shell plates are manufactured from wear resistant material and can also be equipped with steel backing to give additional strength to the structure.

All polyurethane shell plates are moulded and tailor made for the customer mills and processes.

The thickness of the shell plates is selected in order to increase life of linings. Also, increasing of mill capacity can be taken account. The width of shell plate is designed for optimum protection from the lifter bars.

The quality of polyurethane and shape of shell plate will be chosen for every purpose differently from Teknikum Polyurethane mill lining compounds. Polyurethane thickness must be chosen according to grinding and process parameter.

ADVANTAGES

- Good wear impact wear resistance
- Good wear abrasive wear resistance
- Increasing of mill capacity
- Low friction material
- Easy installation
- Light weight

- Low noise level vs. steel liners
- Large sizes and special structures possible with material and the mold technology.

TECHNICAL PROPERTIES

Polyurethane compound

The shell plates are made of Teknikum wear resistant polyurethane compound depending on the application.

Steel backing

The steel backing can be between 3-10 mm steel depending of the application and process circumstances.

Shell plate types

The shell plate type can be selected depending on the process, lining type, mill loads and chemical conditions. The plate can be rubber, steel backed, or with fully capsulated steel backing.

Versions

- **VL – all rubber** shell plate made from wear resistant polyurethane.
- **VLS – steel backed shell plate** with wear resistant polyurethane on at wearing surface.
- **VLT – steel backed shell plate** with steel/ polyurethane wings fully encapsulated steel back with with wear resistant polyurethane on wearing surface. The capsulated steel backing is well protected against chemical corrosion.
- **VLA – shell plate for wave linings** is specially designed for rubber wave lining type.

Shell plates are available in different sizes from thickness from 20 to 150mm and width up to 500mm. The maximum length is 2000mm. Other dimensions available on request.

More information

sales@teknikum.com

www.teknikum.com

All rights reserved. © 2023 Teknikum Group Ltd.

MANUFACTURER

Teknikum Oy (Business ID FI07645274),
Nokiankatu 1, 38210, Sastamala, Finland



Sales

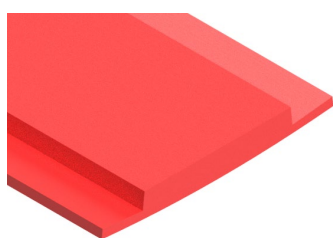
Teknikum Group, Lining BU

ORDER REFERENCE

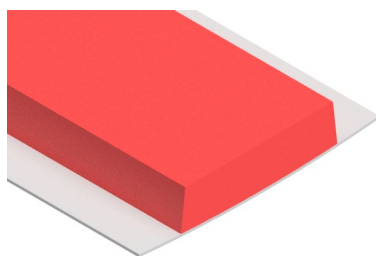
Other dimensions available on request.

Version	Thickness range (mm)	Max width (mm)	Max length (mm)	Backing steel thickness (mm)
VL	20-150	500	2000	N/A
VLS	20-150	500	2000	3-10
VLT	20-150	500	2000	3-10
VLA	20-150	500	2000	N/A

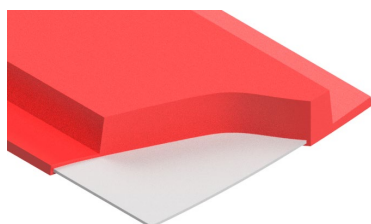
REFERENCE IMAGES



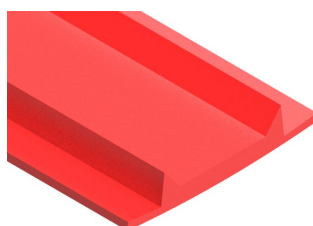
VL



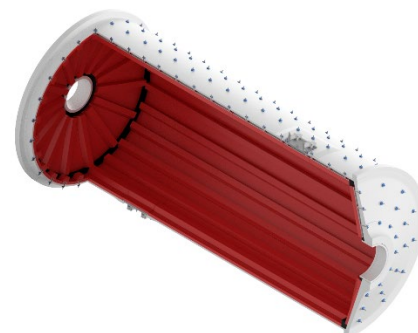
VLS



VLT



VLA



Rubber shell plates for mill shell