

An aerial, top-down view of a city street. The street is lined with tall, brown, rectangular structures that resemble TFT tubes or edge protectors. The street is filled with various vehicles, including cars, a motorcycle, and a bicycle. Pedestrians are also visible walking on the sidewalks. The overall scene is a stylized representation of a city street where the buildings are made of TFT tubes and edge protectors.

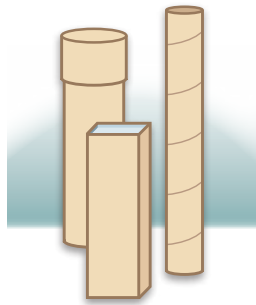
TFT
VERPACKUNGEN

┌ TFT TUBES AND EDGE PROTECTORS
Impressive Logistics ┐
└ ┘

Content

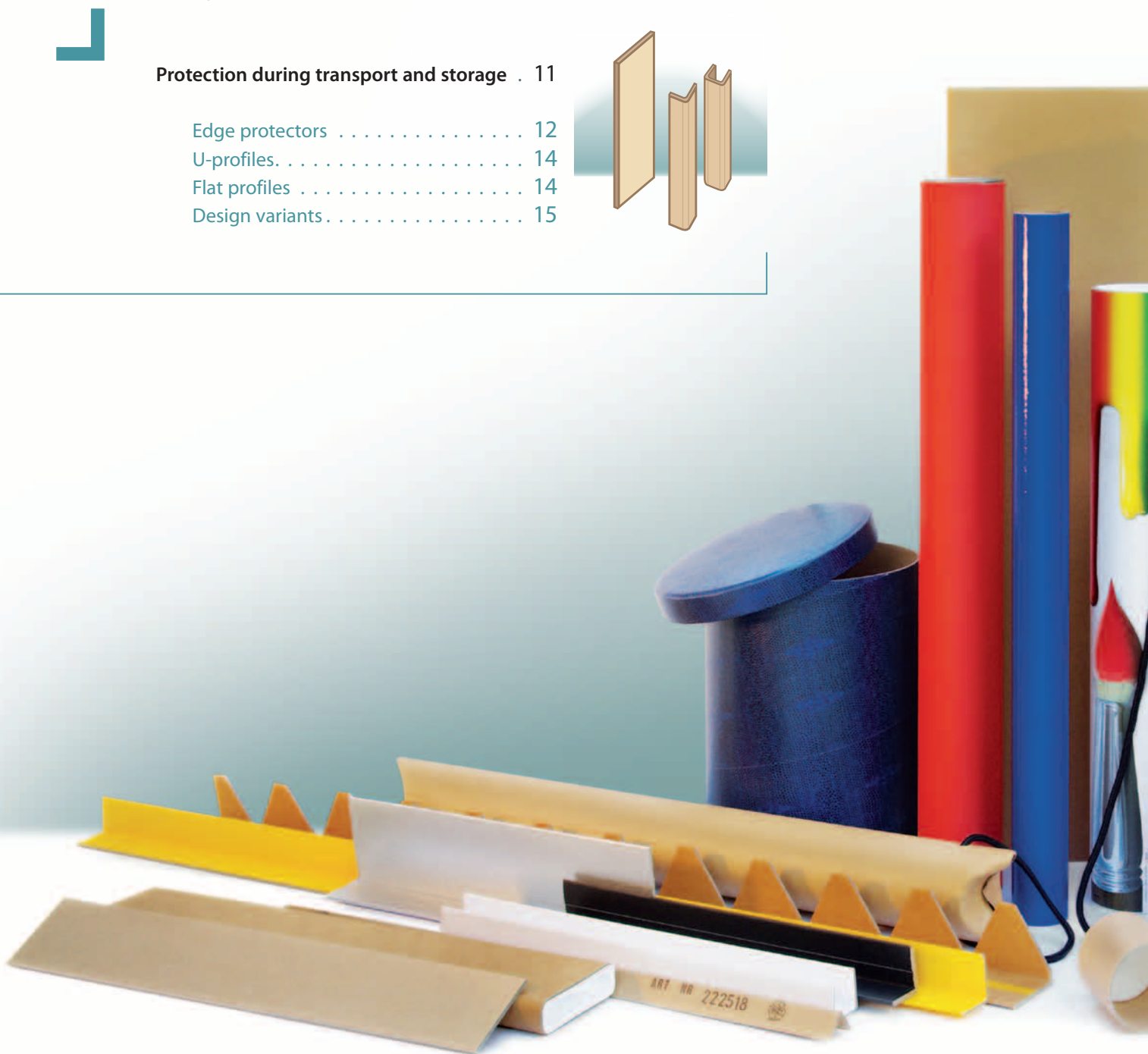
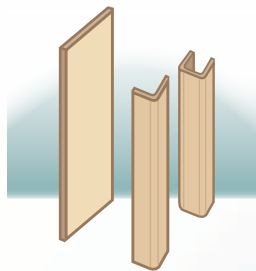
Tubes – good all round 3

- Core tubes 4
- Shipping tubes 4
- Tubes for special applications. 4
- Formats. 6
- Design variants 7
- Closure and handle variants 8
- Options. 10



Protection during transport and storage . 11

- Edge protectors 12
- U-profiles. 14
- Flat profiles 14
- Design variants 15



Tubes – good all round



Hard paper tubes to be used for the most diverse purposes have been produced at Rositz for 25 years now.

It all began with spiral-wound core tubes for the wire and fine-sheet metal industry. In the course of the following years we developed this line of business further. Shipping tubes, rings, shelf tubes, display tubes and construction tubes completed the product portfolio. Production facilities were also expanded to include parallel-wound heavy-duty tubes.

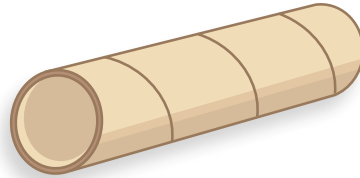
Since 2003, as well as conventional tubes with cylindrical cross-section, we have also been marketing square and rectangular tubes.

TFT tubes lend themselves to an enormous range of uses. They have the advantages that they retain their shape and weigh very little. Being manufactured mainly from paper, they can be recycled and are therefore kind to the environment.



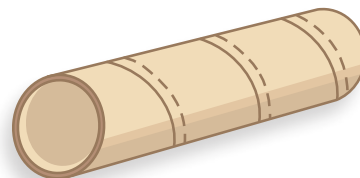
Core tubes

Core tubes differ from shipping tubes in their surface quality: the outer web is wound edge to edge and, if required, lightly rubbed. They thus have a smooth surface and are outstandingly suited for winding wide and flat or slender material, such as films, papers, textiles or yarns. They are also used to protect sensitive shafts or as spacers in the packaging industry.



Shipping tubes

Shipping tubes are characterised by an overlapping outer web. They are used for shipping, transporting or storing long, bulky and sensitive goods and also make exceptionally good information and advertising media.



Tubes for special applications

Depending on customer requirements, designs are manufactured to individual requirements from our tube portfolio. Talk to us – we will find the right solution!

Shelf or display tubes

For trade fairs, theatres, exhibitions, displays and furniture-making.



Protective tubes

For encasing high-quality component parts with sensitive surfaces. Also available slotted.



Telescopic tubes

There is a choice of two different variants: those which slide inside each other and those joined by an adapter tube.



Special-purpose tubes

Manufactured to individual specifications for many different uses in very diverse sectors.



Tubes for explosives

Explosive cartridges for detonation in deep drilled core holes.



Construction tubes

For cladding supports and columns in the building industry.





Formats

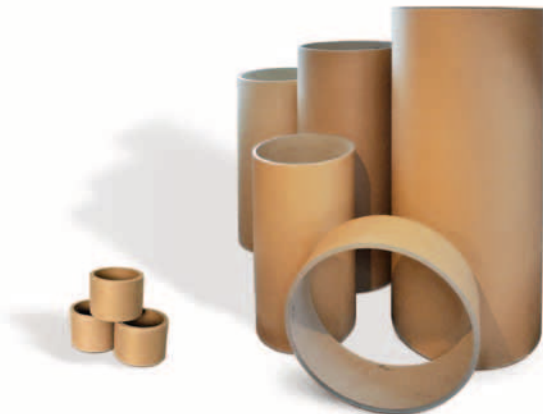
Both core tubes and shipping tubes can be manufactured cylindrical, rectangular or square. Various diameters and cross-sections are available.



Spiral-wound cylindrical tubes

Technical data:

diameter 9 mm to 1000 mm
wall thickness 0.75 mm to 25 mm
length 5 mm to 7000 mm



Parallel-wound cylindrical tubes

Characterized by a very high stability and wall thickness.

Technical data:

diameter 220 mm to 800 mm
wall thickness 2 mm to 50 mm
length 5 mm to 1620 mm



Spiral-wound square tubes

Technical data:

cross-section 30 mm x 30 mm to 210 mm x 210 mm
wall thickness 2 mm to 6 mm
length 300 mm to 6000 mm



Parallel-wound square tubes

Technical data:

cross-section 260 mm x 260 mm
to 550 mm x 550 mm
wall thickness 2 mm to 4 mm
length 100 mm to 1580 mm

Spiral-wound rectangular tubes

Technical data:

cross-section 18 mm x 86 mm to 150 mm x 210 mm

wall thickness 2 mm to 6 mm

length 20 mm to 6000 mm



Design variants

Tubes can be made in many shapes. That way they can present packaged products as well as possible and stand out from the competition. As well as the classic brown, white or black designs we offer variants with coloured, embossed or printed outer web, matt or glossy. Cylindrical tubes can also be strikingly labelled.

The outer and inner webs can be processed for technical applications or advertising purposes:

- standard: natural unbleached brown, white, black
- coloured and embossed papers according to colour pattern or as required
- glossy or matt
- repeat-printed in up to eight colours (flexographic print)
- labelled (cylindrical tubes only)
- coated with plastic, silicon, aluminium, foam plastic or paraffin





Closure and handle variants

Bottom and lid

For closing the tubes you can select from the following versions of bottoms and lids:



Plastic push-in bottoms and lids or slip lids

White and black (standard), also available in other colours, as required.

Technical data:

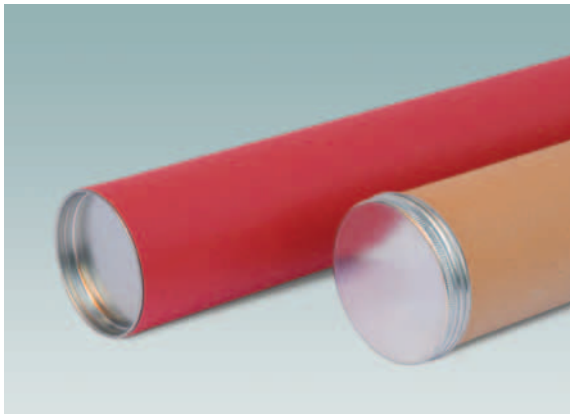
diameter cylindrical 9 mm to 320 mm

square cross-section 30 mm x 30 mm

to 260 mm x 260 mm

rectangular cross-section .. dimensions on enquiry

slip lid dimensions on enquiry



Metal push-in lids or screw lids

Dimensions on enquiry.



Cardboard push-in bottoms and lids

If required, reinforced with wooden crosspiece.

Technical data:

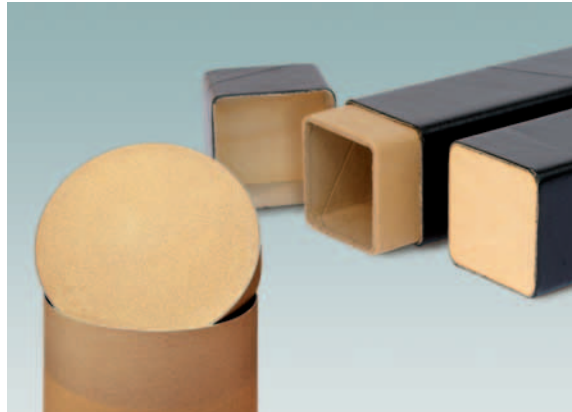
diameter cylindrical 50 mm to 660 mm

square cross-section on enquiry

Plywood or MDF bottoms and lids

Special design as required.

Also available for tubes up to 1000 mm.



Crimped-end

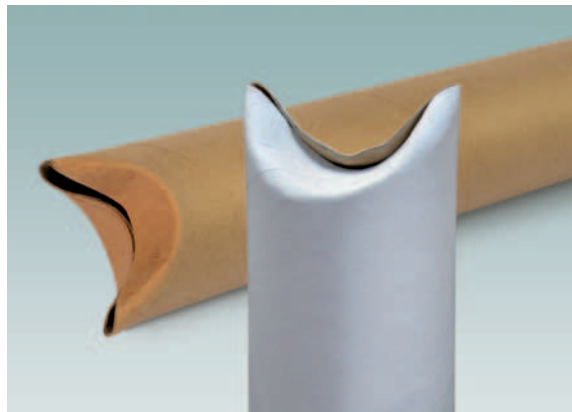
Practical closure by means of pressed-in cut edges without additional aids.

Technical data:

diameter 50 mm to 100 mm

wall thickness 1.5 mm to 2 mm

length 330 mm to 1150 mm



Fastening variants └

To achieve a firm bond between tube and closure the following kinds of fastening are available:

Loosely pressed in



Glued



Stapled



Clips

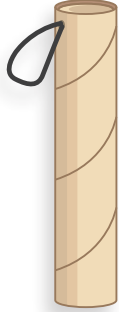


Sewn (for cylindrical tubes with dia. 200 mm and up)



Handle variants

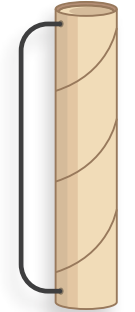
We offer cotton cord handles in various versions:



Carrying strap



Short cord



Long cord

Options

Tubes can be individually further processed in many different ways, as required. The following types are possible:

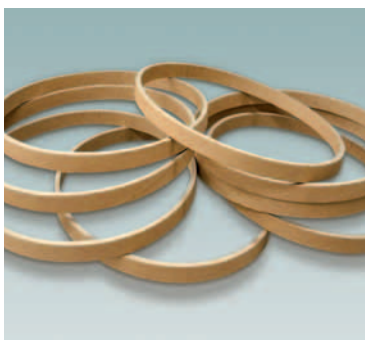
Milling/punching



Angle cutting



Rings



Splitting (quarter, half and three-quarter shells)



Protection during transport and storage



For the transport and storage of sensitive goods we manufacture edge protectors and flat and U-profiles. They are a simple means of protecting corners, edges or straight surfaces. They can be quickly and easily fastened with straps, double-sided sticky tape or hot-melt adhesive applied to the goods to be transported.

By using coloured or printed outer webs the protectors and profiles can also be used effectively as an advertising surface. For special applications they can also be covered with plastic, aluminium or foam plastic.





Edge protectors

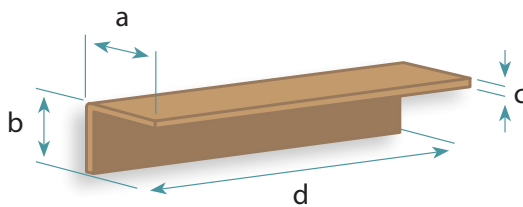
The L-shaped profiles can be combined with various symmetrical and asymmetrical leg lengths and wall thicknesses. Even round products can be optimally protected by roll edge protectors.

Technical data:

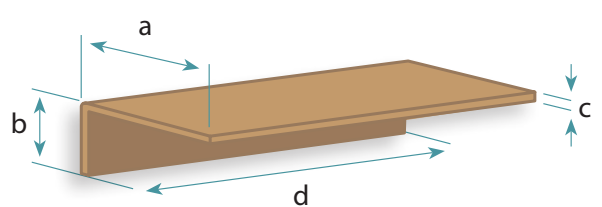
- a, b leg lengths 25 mm to 150 mm
- c wall thickness 2 mm to 10 mm
- d length 40 mm to 6000 mm

The protectors can be made self-adhesive by applying double-sided sticky tape inside or outside or by providing a hot-melt bead. Thick wall thicknesses offer special protection for sensitive goods, while cutouts ensure that the edge protectors adapt to fit nearly all packed goods.

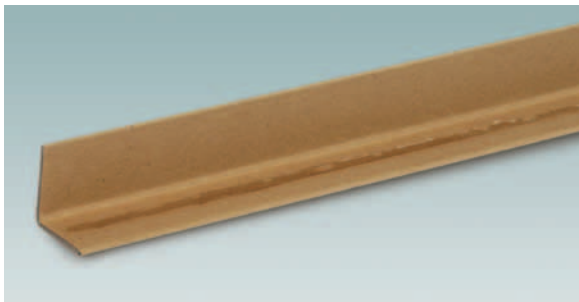
Symmetrical edge protectors



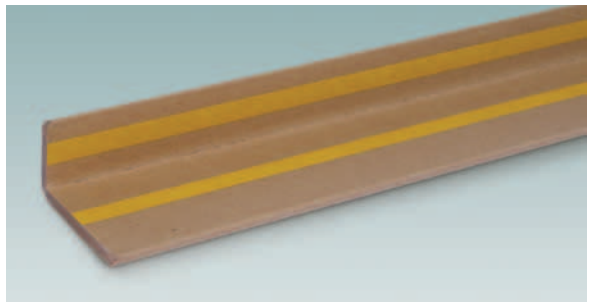
Asymmetrical edge protectors



Hot-melt-coated



With adhesive strips



With extra-thick wall thicknesses



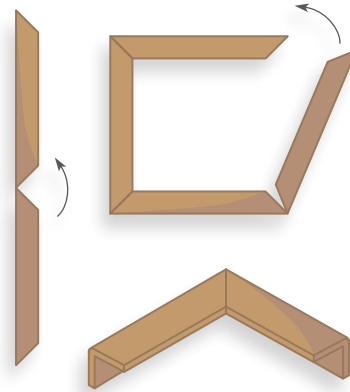
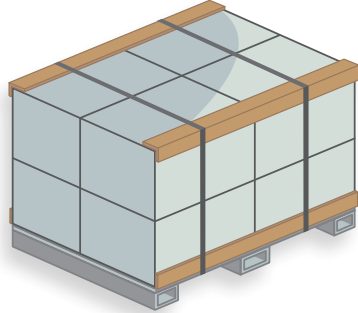
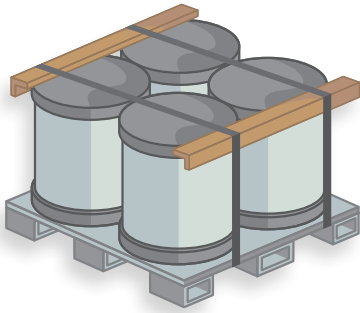
With cutouts



Possible uses

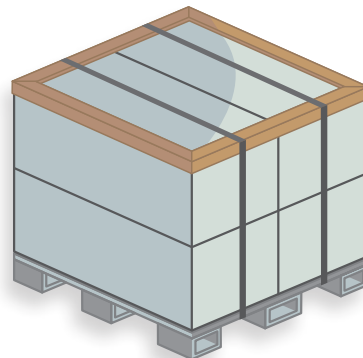
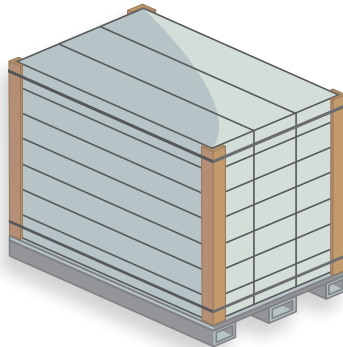
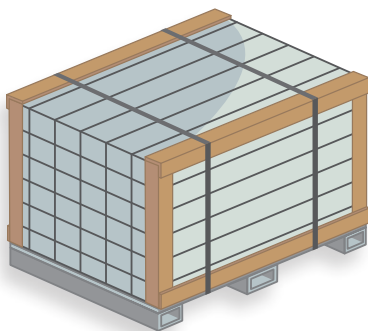
Protective edges

To prevent damage and deformation during strapping and to secure goods being loaded against slipping.



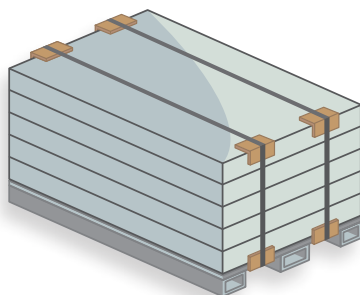
Corner edge protectors

To prevent damage to and deformation of corners and edges from impact and to increase the stability and stackability of packaged goods.



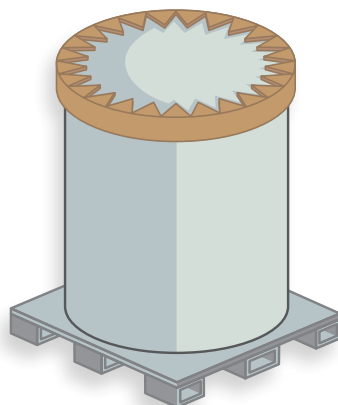
Band protectors

To prevent pressure points.



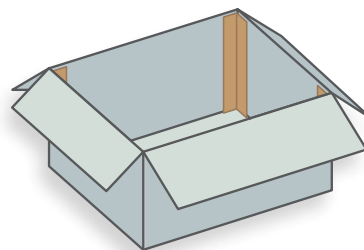
Roll edge protectors

To protect round, oval or irregular edges.



Inside corner reinforcement

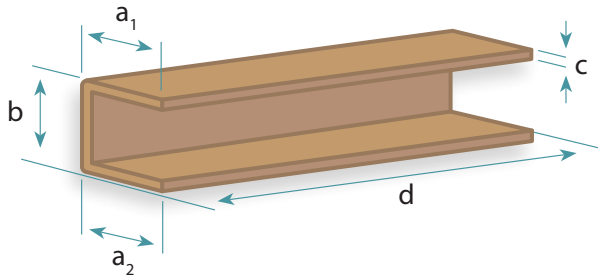
To stabilise folding boxes with heavy loads, to prevent deformation and so to ensure the stackability of the boxes.





U-profiles

U-shaped profiles grip edges on three sides and are especially suitable for protecting specified package thicknesses. Since they grip of their own accord, they make additional fastening means superfluous.



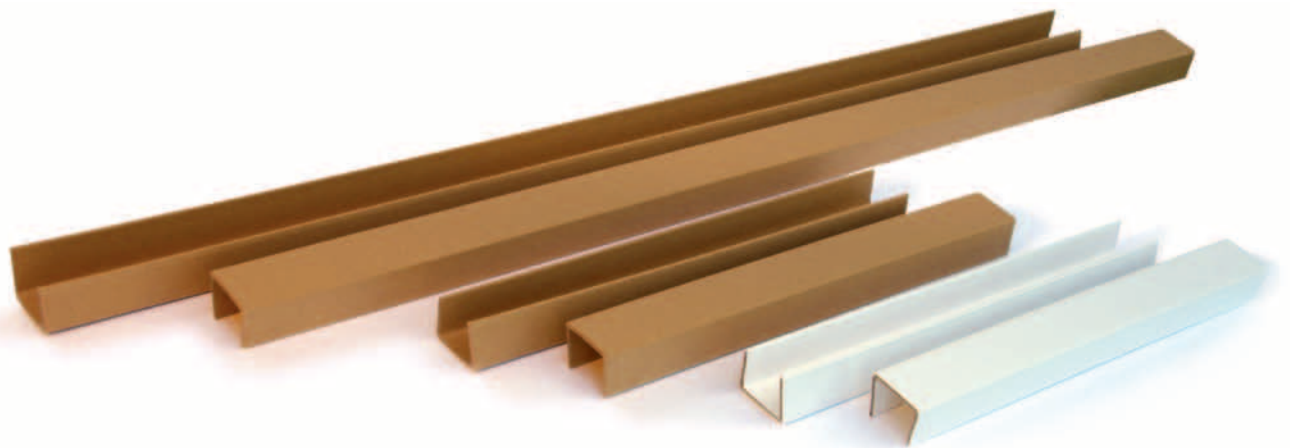
Technical data:

$a_1 \times b \times a_2$ standard dimensions ... 30 mm x 30 mm x 30 mm
Other formats available on request.

$a_1 + b + a_2$ max. expanded width ... 160 mm

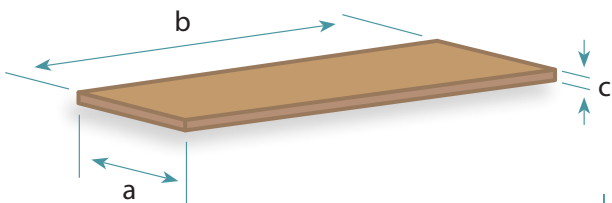
c wall thickness 2 mm to 8 mm

d length 50 mm to 6000 mm



Flat profiles

These are used as inserts, spacers or to protect flat surfaces.

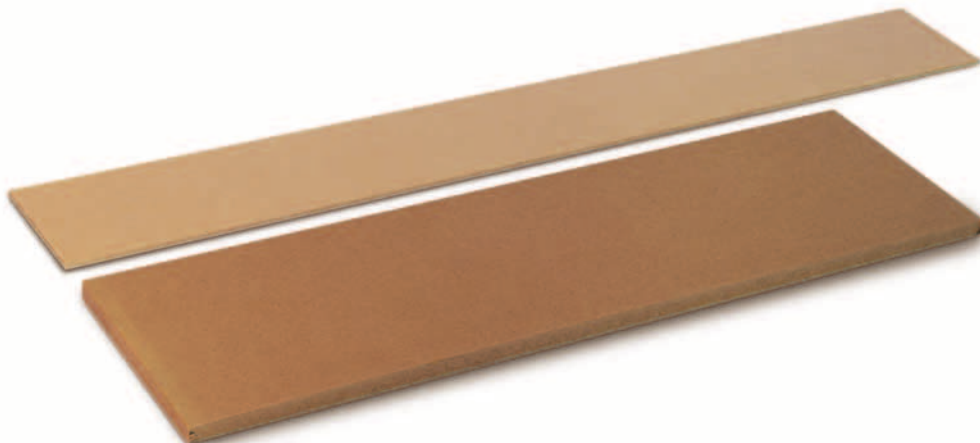


Technical data:

a width 40 mm to 160 mm

b length 50 mm to 6000 mm

c wall thickness 2 mm to 10 mm

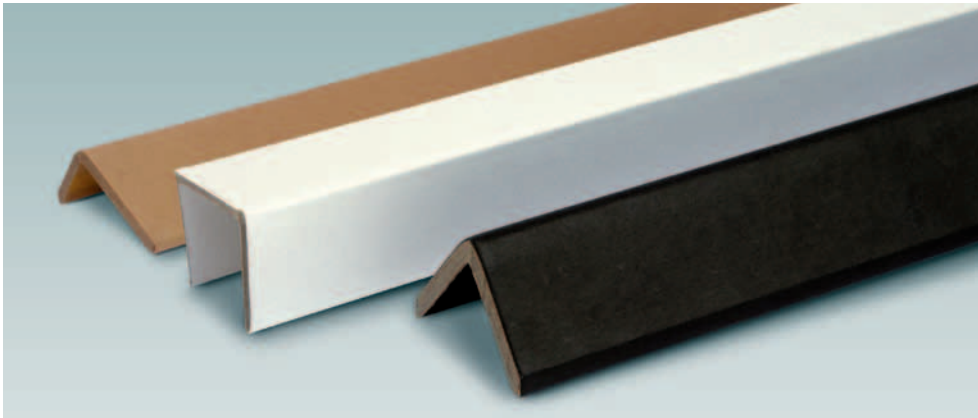


Design variants



As well as natural colours (natural unbleached brown, white and black) the outer paper webs of the edge protectors and profiles can be variously coloured or repeat-printed in up to eight colours. Moreover, lamination with plastic, aluminium or foam plastic is also available.

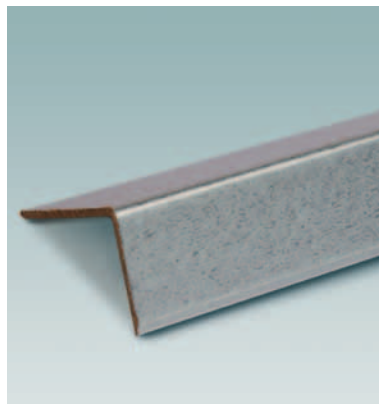
Standard colours



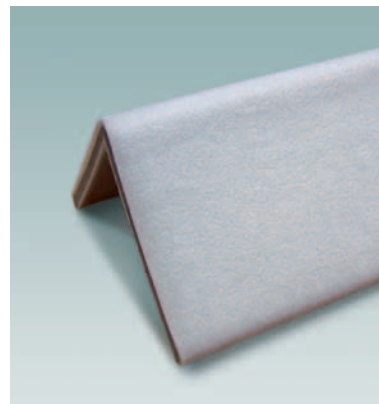
Coloured



Aluminium-laminated



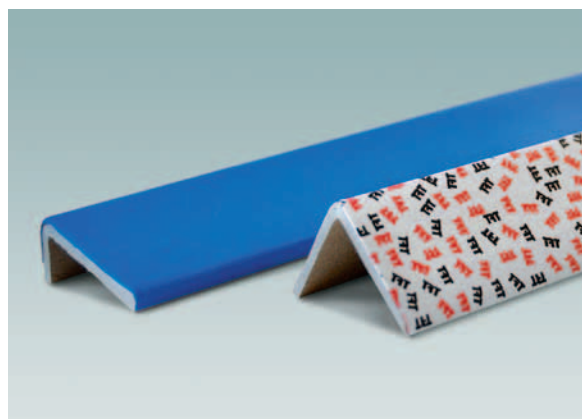
Plastic-foam-laminated



Inline-printed



Flexographic print (offline)



TFT Trust in our strength!

The TFT Thüringer Fiber-Trommel GmbH is a family-run medium-sized company. It has been based in Rositz in eastern Thuringia, a place of great industrial tradition, since 1965. Although firmly rooted in the region, it exports all its products worldwide.

TFT specializes in paper – which is both a traditional material but also a material with a sustainable future. The TFT portfolio has been built on three pillars: fibre drums, shipping tubes and carrier bags. TFT's customers appreciate its reliable quality, flexibility, short production times and adherence to deadlines. Decades of experience with paper as a material and its own research and development department enable the company to satisfy individual customer requirements and operate innovatively on the market.

What can we do for you? Call us. A warm welcome is guaranteed!



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