

1. Application Sectors

KARGOTEC® spezial plus is a protective anti-slip mat for transported goods. Its high coefficient of sliding friction - documented in testing according to VDI 2700 Sheet 14 (Draft) – provides outstanding anti-slip performance. Utilized widely in commercial transport applications, **KARGOTEC® spezial plus** mats are also used successfully as intermediate layer pads in the packaging industry.

2. Material

Recycled rubber crumbs bonded with Polyurethane.



Colour: black with Coloured speckles
Surface: grain texturing

3. Appearance / Surface Texture

Length: as ordered ± 1.5 %
Width: 1250 mm ± 1.5 %
Thickness: 3, 4, 5, 6, 8, 10 ± 0.5 mm
15, 18, 20 mm ± 1.0 mm
Density: approx. 1000 kg/m³
Area weight: approx. 3,0 kg/m² (3 mm)
approx. 6,0 kg/m² (6 mm)
approx. 8,0 kg/m² (8 mm)
approx. 10,0 kg/m² (10 mm)

4. Discard criteria:

In permanent deformation or bruises, cracks, Holes, damage contact with aggressive substances such as e.g. Oils, fuels, chemicals, abrasion on the surface, Swelling or embrittlement, functionally impairing Contamination (VDI 2700 Sheet 15)

KARGOTEC® anti-slip mats are generally usable several times before they need to be replaced due to discard criteria.

5. Test Data

Tensile strength:
min. 0.6 N/mm² (DIN EN ISO 1798)

Elongation at break:
min. 60 % (DIN EN ISO 1798)

Fire resistance:
Efl (B2) (EN 13501-1)

Coefficient of Sliding friction: min. $\mu = 0.8$
for thicknesses of 3, 4, 5, 6, 8, 10, 15, 18, 20mm
Contact surfaces: wooden pallet, anti-slip textured lorry flooring (VDI 2700 Sheet 14)
(practice-related calculated value: $\mu = 0.6$
(details on page 3, Brochure))

Pressure behavior:
No plastic deformation after 24 hours strain
Ballast: Grid box 1000 kg (VDI 2700 Sheet 15)

Maximum permissible Compressive load:
approx. 180.0 t/m² for 3mm thick mats
approx. 290.0 t/m² for 8 mm thick mats
according to VDI 2700 sheet 15, max. 30% compression is permissible

Service temperature range:
- 30 °C to + 100 °C

Resistance:
conditionally resistant to acids and bases

UV-Resistance:
resistant to DIN EN 1297 and DIN EN ISO 3386-2

DISCLAIMER:

With our information we desire to advise you to the best of our knowledge and belief based on our trials and experiences. However, KRAIBURG Relastec GmbH & Co. KG cannot accept a warranty for the processing result in the specific case, due to the variety of use possibilities, and the storage, processing, and construction site conditions for our KARGOTEC® products that are beyond our control. The customer must execute his own tests. Our technical customer service organization is available to you.