

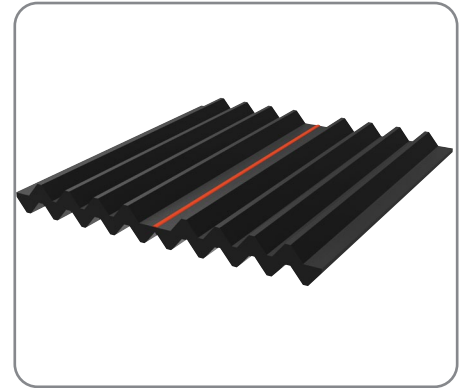


## bi-Trapez Bearing® Unreinforced elastomeric bearing

For the following applications  

### Feature

High vibration and structure-borne sound dampening values |  
Ready for installation | Maintenance free | Durable



bi-Trapez Bearing®	Non-reinforced, profiled elastomeric bearing with trapezium-profiled pressure contact surfaces on both sides
Material	Ageing resistant EPDM elastomer material
Material properties	Weather and ozone resistant
Hardness	67 Shore A
Fields of application	This bearing is primarily used for structural members of all types and for impact sound mitigation in stair and landing bearings.
Mounting/Installation	In precast structures, the bearings are installed centrally on the bearing surface with no special constructional measures. In the case of concrete components, the distance to the component outer edge must be at least 2.5 cm and the steel reinforcement must enclose the surface of the bearing. Chamfered component edges also need to be taken into account when calculating the edge distance. If cast-in-place concrete is used, the gaps and joints around the bearing must be filled and covered, so that no freshly mixed concrete can penetrate them. A rigid connection must be avoided; the bearing's spring effect must be guaranteed at all times.

### Product performance

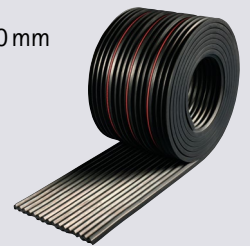
Compressive stress  
 $\sigma_{R,d} = 17.4 \text{ N/mm}^2$  (format-dependent)

Angular rotation  
 $\alpha_{max} = 40 \text{ ‰}$

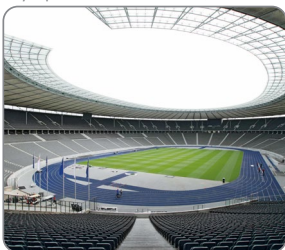
Shear deformation  
 $u_{max} = 8 \text{ mm}$

Official Approval (DIBt Berlin)  
Z-16.32-455

Thicknesses  
5\*, 10, 15 and 20 mm  
\*without approval



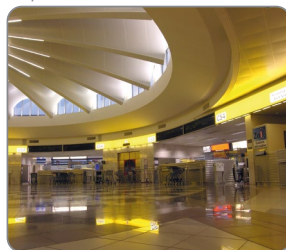
Olympic Stadium Berlin (DE)



Qatar Embassy Residence (DE)



Airport Vienna (AT)



Hundertwasser Building (DE)



Hessen State Parliament (DE)



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