

W-Series XPE roll shock pads

Type W shock pads are prefabricated shock pads made from closed-cell, cross-linked polyethylene foam. Depending on thickness and density, they are used in synthetic turf systems for leisure, recreation and high-performance football, rugby and hockey pitches that must comply with standards such as FIFA, DIN and World Rugby.



- Oval slots provide vertical drainage and accommodate expansion and contraction during installation
- Contain no contaminants, heavy metals or other elements classified as harmful to the environment
- Long lifespan; at the end of their life they can be reused as material for new shock pads
- Supplied on a roll; roll length is adjusted to each project

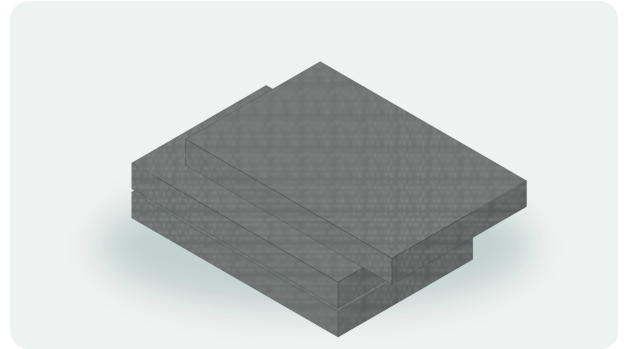
Property	Standard	W0830	W0850	W1050	W1070	W1250	W1270
Thickness (mm)	EN 1969	8	8	10	10	12	12
Density (kg/m³)	ISO 845	30	50	50	70	50	75
Mass per unit area (kg/m²)	ISO 8543	0.35	0.59	0.43	0.60	0.43	0.61
Tensile strength (MPa)	EN 12230	>0.15	>0.15	>0.20	>0.20	>0.20	>0.20
Water permeability (mm/h)	EN 12616	>12,500	>12,500	>12,500	>12,500	>12,500	>12,500
Water absorption (vol. %)	DIN 53428	1.97	1.97	1.97	1.97	1.97	1.97
Shock absorption (%)	FIFA 04a	27	40	33	40	44	52
Vertical deformation (mm)	FIFA 05a	6.2	5.4	7.0	6.5	8.1	7.2

Technical specifications of our most used type W shock pads. Datasheets for our other shock pads are available on request. Type W shock pads have been tested against Directive 2011/65/EU on hazardous substances.

The specifications in this document are based on internal and independent laboratory tests, manufacturer data, literature and calculations and are accurate to the best of our knowledge. All values are averages and intended as guidelines; they do not replace your own assessment of the product's suitability for the intended application. WASPPOLYMER reserves the right to change this specification and/or product without notice and assumes no legal liability for the use of the data. This publication supersedes all previous datasheets.

EPP shock panels

Lightweight shock panels made from expanded polypropylene (EPP) that interlock like a puzzle. At 1200 x 800 mm they fit a EUR pallet.



WASP Sport Shockpad 15

A 15 mm fall protection panel with puzzle joints for sports fields.

- Fits like a puzzle, easy to cut
- Increases efficiency and speed of installation
- Advanced drainage system
- Consistent shock absorption
- Reduces heat loss to the underlayment

Panel size	1200 × 800 mm
Installed size	1150 × 750 × 15 mm
Pack	134 pcs, 115.91 m ²
Shock absorption	61.1–63.4%
Deformation	7.6–8.4 mm
Energy restitution	37.6–38.3%
Pallet height	220 cm (260 cm on request)

WASP Landscape Shockpad 18

An 18 mm comfort and drainage layer for artificial grass in gardens and landscaping.

- Easy to install
- Better drainage
- Lower maintenance costs
- Protects the artificial grass backing against sharp objects
- More comfort

Panel size	1200 × 800 mm
Installed size	1150 × 750 × 18 mm
Pack	112 pcs, 96.88 m ²
Pallet height	220 cm (260 cm on request)

WASP Foam Glue

A polyurethane-based, moisture-curing, one-component adhesive foam. Its non-expanding gel bonds construction elements such as brick, blocks, stone, natural stone, PE foam and EPS, and is more practical and economical than conventional mortar. Suitable for indoor and outdoor use and resistant to all weather conditions.

Technical data

Chemical base	Polyurethane
Curing	Atmospheric moisture
Tack-free time	2–3 min
Full cure	48 hours
Open time	≤ 2 min
Application temperature	+5 ... +30 °C
Temperature resistance (cured)	–30 ... +80 °C
Colour	Pale yellow
Packaging	750 ml, 12 per box
Shelf life	12 months at +5 ... +30 °C

Application

- 1 The surface must be solid, clean, dry and free of dust, oil and grease. A slightly moistened surface gives better results.
- 2 Keep cold cans at room temperature for about 20 minutes before use; shake the can vigorously about 30 times.
- 3 Screw the can onto the gun and hold it upright during application; adjust the amount with the trigger.
- 4 Apply the foam between the elements and press the materials immediately to fix them.
- 5 Clean fresh foam with foam cleaner before it cures; cured foam is removed mechanically.

Safety

Keep out of reach of children. Avoid contact with skin and eyes; wear gloves. Apply in well-ventilated areas and do not breathe the vapour. Protect from freezing, direct sunlight and temperatures above 50 °C; do not expose to open flame.

Technical foams

Alongside XPE, EPP and rubber foams, we produce recycled XPE foams and impact absorbers. From low to high density, we produce flexibly with dimensions and properties set by the customer.

XPE foam

Cross-linked, closed-cell polyethylene foam

Recycled XPE

Impact-absorbing foams from sustainable raw material

EPP foam

Lightweight, impact-absorbing expanded polypropylene

Rubber foam

Flexible, impact-damping rubber foams

Silver repair tape

Multi-purpose repair tape in various strengths and materials, supplied in the sizes you need. Fast, safe delivery at competitive prices.