

REPHOUSE

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INTERLOCKING RUBBER PAVERS

Rephouse's EvoPave™ Interlocking & Safety Blocks

are made in such a way that they are virtually indestructable. The block pavers are made of recycled rubber shred and non-toxic polyurethane binder to make one of the toughest, yet flexible, rubber flooring products available, outlasting many commercial and most other rubber flooring products.

Recommend EvoPave™ Uses are for commercial entrances, golf clubs, weight rooms, ski lodges, equine areas and stalls, veterinary clinics, industrial working areas, amusement parks, recreational areas, garages, exhibition halls, ice rinks, saunas or any place where a flexible floor is needed.

Properties of the EvoPave™ blocks are unique. They are fully elastic, weather proof, water permeable, frost proof, durable and slip resistant. EvoPave™ Colors available are pigmented red or green and plain black.

EvoPave™ Dimensions

Length 200mm

Width 160mm

Coverage 36.36 pcs per m²

THICKNESS

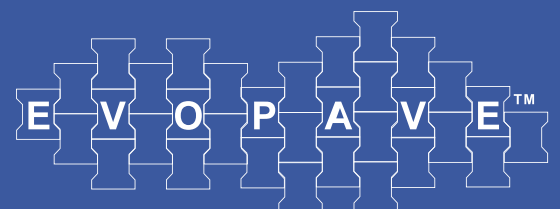
EP15 = 15mm

EP20 = 20mm

EP25 = 25mm

EP45 = 45mm

Maintenance of EvoPave™ is easy by way of general cleaning with a damp mop and is recommended to be done on a regular basis. Heavy soiling can be cleaned by way of a high pressure water hosing.



INSTALLATION OF EVOPAVE™

Installation requires simple tools with common sense planning and skills. EvoPave™ maybe installed onto a prepared concrete, asphalt or crushed rock base.

SUB-SURFACE REQUIREMENTS

DRAINAGE - above grade installation should have a least a 1% fall. For below grade installations, the 1% fall should lead to a drain. Both types of construction must not allow for water accumulation.

SURFACE VARIATION - in any case, this should not exceed 3mm in a 3m span, measured in any direction.

CONCRETE - all cracks and holes must be patched and new concrete should be cured for at least 30 x days before installation. Concrete must be smooth, dry and cleaned of dust, dirt and oil before installation. The recommended method for cleaning for maximum adhesion is by pressure washer. If curing agents were used in the concrete, the surface must be acid etched for maximum adhesion. In all cases, surface must be absolutely dry before installation.

ASPHALT - all cracks and holes must be patched and new asphalt should be cured for at least 14 x days before installation. Asphalt must be smooth, dry and cleaned of dust, dirt and oil before installation. The recommended method for cleaning for maximum adhesion is by pressure washer.

CRUSHED ROCK BASE - should be compacted road type base 100 to 200mm deep (depending on soil conditions) leading to an underground drain. Drainage must be adequate to prevent heaving of surface due to water saturation. The layer above that should be a minimum depth of 35mm of fine sand compacted to 90% dry density. Only 45mm thick pavers can be installed over a crushed rock base. Do not attempt to do this with either a 15mm, 20mm or 25mm thick paver.



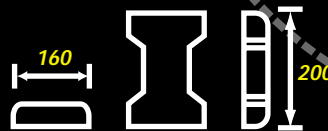
ACTUAL INSTALLATION

Chalk line out onto the prepared base lines in the "North/South" direction and likewise, in the "East/West" direction of the other to be covered with EvoPave™.

By way of a notched trowel (2-3mm notch), apply the adhesive to the base along the area following the "North/South" direction to a width of approximately two or three pavers and do likewise, in the "East/West" direction. You can apply the adhesive in strips. Set the first paver at the corner of the chalk line cross point. Apply a strip of adhesive against a face of the second paver. Set the next paver against the first following the "North/South" chalk line locking the adhesive face of this paver against the first paver. Follow this again with the third, fourth, etc. ensuring always that you accurately follow the chalk line, visually checking the alignment and that pavers themselves are tightly joined.

Weights must be used to hold down the pavers. Then start the "East/West" run doing exactly the same described above.

Quick Reference Dimensions in mm



EvoPave interlocking
Cover 36.36 bricks per m²

ADHESIVE

The EvoPave™ pavers will be bonded to the prepared sub-surface with a high grab strength, 1-component, high solids curing urethane adhesive which becomes tacky and bonds tenaciously after the solvent evaporates. It cures at ambient temperatures to become a strong, tack free heat and chemically resistant adhesive. It has outstanding water resistance and exterior durability even in hostile climates. The adhesive can be applied outdoors under adverse and highly variable weather conditions. Preferred application is by roller, trowel or brush.

The use of a high grab strength adhesive is vital in the paver installation as it helps overcome the tendency of the product to separate, creep or slip without having to resort to the use of too many weights or excessive rolling.

COLOURS

Grey

Red

Black

Green

TECHNICAL DATA

Material	recycled rubber particles molded with a custom formulated solvent free pure MDI polyurethane binder
Properties	water permeable, resilient, durable, slip proof, insulating, flexible, frost proof, non-flammable, non-toxic, sound deadening
Thickness	15mm, 20mm, 25mm and 45mm
Sound Absorption	approx. 5Db
Flammability	DIN 51960 Class 1
Slip Resistance	95 (dry) 65 (wet)
Abrasion Resistance	- after air aging 0.10 (gr.) - after water aging 0.36 (gr.) - after artificial weathering 0.20 (gr.)
Residual Indentation	0.64 mm after recovery
Fatigue Resistance	no cracking or fracture
Resistance to Ozone	no cracking or fracture
Infiltration Rate	25mm - approx. 180mm / hr 45mm - approx. 285mm / hr

