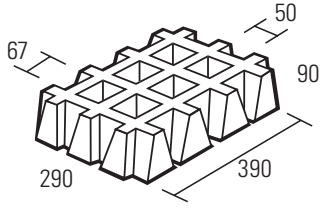
Adbri Masonry Turfstone® is a remarkably versatile permeable pavement product. Use it as a revetment block for creek and river banks or use it as a paver. The image below demonstrates the beautiful and practical effect Turfstone® gives when sown with grass or ground covers.

LAYING ADBRI MASONRY TURFSTONE®

The block is laid with the larger end of the tapered holes uppermost, and the holes filled with soil to within 30mm of the top so that grass can be grown by seeding or planting runners. In this way, a paved area can be provided which combines the wearing qualities of concrete with the attractive appearance of lawn. The paving can be laid on an incline to give good traction on steep driveways, and also for reveting earth cuttings.

When used for paving, the blocks should be laid on a sand bed of a uniform 25mm thickness. Depending on the amount of traffic to be taken by the paving and the strength of the sub-grade, it may be necessary to provide a base of well consolidated road base material under the sand bed. Edge restraint is advisable to prevent perimeter blocks from spreading outwards. When used as a Turfstone® with the widest apertures uppermost, the voids represent 52% and concrete occupies 48% of the nett surface area. If pavers are to be laid on an incline, it is advisable to commence laying at the bottom of the incline. Ensure pavers are fitted as close as possible to each other. This will minimise downward 'creep' of the pavers over time. It should be noted some 'chipping' of paver edges may occur at contact points, however the intended structural performance of the paver is unaffected.



COVERAGE
Approx 8.86 blocks per square metre

MASS
72 blocks per tonne (approx. 14.3kg per block)

SUITABLE FOR

- Domestic driveways/ light traffic areas
- Permeable
- Agricultural

Adbri Masonry Turfstone® can be used as revetment blocks for sloping ground including creek and river banks. Adbri Masonry Turfstone® are cellular in design and have distinct advantages over continuous slab revetments.

The additional roughness of the revetment decreases water speed near the boundary. Vegetation will be established in the holes above low water level, which will increase the stability of the mat. Some relative movement between adjacent blocks is possible, when the sub-grade elevation changes.

HOW TO USE ADBRI MASONRY TURFSTONE® AS REVETMENT BLOCKS

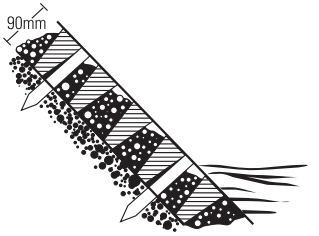
The block is laid with the smaller end of the tapered holes uppermost, and the holes are filled with gravel or crushed stone. Used in this way, the holes mechanically hold the gravel in place and the combined effect of block and gravel is to protect the finer material on the face of the bank on which they are laid from scour.

However, please remember that all boundaries of the mat of revetment blocks must be well protected otherwise scour will occur under and behind the edge blocks, and the revetment will rapidly lose its effectiveness.

When used as a Revetment Paver with the narrowest apertures uppermost, the voids represent 26% and concrete occupies 74% of the nett surface area.

MAXIMUM SLOPE FOR REVETMENTS

Type of soil retained	Max. Slope
Heavy clay	1 in 4*
Sandy clay	1 in 3*
Gravel	1 in 1.5*
Sand	1 in 2*



*A slope of 1 in 1 is possible if every block has suitable anchoring in one of the cores into the subsoil and the site has been assessed to ensure global stability is not an issue.