

TrendStone[®]

Estimation & Installation



TrendStone®

Estimate Quantity Required

1. Measure the length (L) and height (H) of the wall.
2. To calculate the number of wall units, multiply the L x H x number of units per m² (12.5/m²).
3. For capping units, multiply L x the number of units per lineal metre (2.5/Lm).
4. For corner units, add up number of internal & external corners required and multiply it by the number of courses high the wall is.
5. Order an extra 5% of all items to allow for cuts.

Notes:

Core fill Requirements - 0.85m³ of aggregate or No Fines concrete fills 100 blocks. 0.106m³ of aggregate or No Fines Concrete fills 1m² blocks.

Installation Guide

STEP 1 - PREPARING THE BASE

Mark out the ground using stakes and a string line or by marking a line on the ground with spray paint. Dig a trench approximately 600mm wide and no less than 150mm deep.

For Walls Up to 865mm High

Fill trench with road base and compact. Cover road base with approximately 25mm of sharp sand or crushed blue metal. Screed to a true level, starting from the lowest point if wall is stepping up.

For Walls Up to 1065mm High

Fill trench with concrete. Screed to a true level, starting from the lowest point if wall is stepping up. **TIP: Don't make the concrete mix too wet otherwise the blocks will sink into the mix.**

For Walls Over 1065mm High

Obtain Engineers specifications.

STEP 2 - LAYING FIRST COURSE

Place wall unit onto prepared base. It is essential that this first course of units is placed accurately to string line and levelled using a spirit level. For walls up to 1 metre high, make sure 100mm of the first block course is below the finished ground level.

STEP 3 - PLACING THE DRAIN

Place an agricultural drainage pipe with a geotextile sock (Ag-pipe) behind the first course of the wall on a bed of drainage material. Spread the drainage material such that the pipe has roughly a 1 in 100 fall (1cm drop over 1m length of wall).

Outlet the drain through the wall at every low point, at every 20 metres and around the ends of the wall, to your storm water system.

STEP 4 - PLACING ADDITIONAL COURSES

Clean debris from top of unit to ensure that the next unit will sit neatly. Place guide members in groove with pins facing upward and forward. It is important that all guide members are in place. Continue laying the subsequent courses following the same procedure as the first course. Place each course in running bond with course below (i.e. with the vertical joints from the first course units halfway along second course units) using locating pointer as a guide.

STEP 5 - BACKFILLING & COREFILLING

Fill all the cores of the blocks with 10-20mm clean, free drainage material. Once all cores have been filled, place geo-textile fabric into place as per diagram on page 11 and back fill behind the wall using the same 10-20mm clean, free drainage material. Maintain high compaction rate on backfill material. Do not use soft or wet clay as backfill material.

For additional strength, No-Fines Concrete can be used to core fill and backfill the wall instead of the 10-20mm aggregate.

STEP 6 - LAYING CAPPING UNITS

Once backfilling and cleaning is complete, place TrendStone® capping units in running bond, fixing them to top of wall using adhesive. For domestic wall installations, a waterproof construction adhesive is recommended.

For high use areas, a 2-part epoxy is preferred.

STEP 7 - SURFACE DRAINAGE LAYER

Care should be taken where possible to divert water away from the face of the wall. If surface water cannot be naturally drained away from top of wall, place 100 - 150mm of clay impermeable layer (or similar) on top of back fill. If soil is used on top of this backfill, a layer of geo-textile fabric must be used to stop any soil filtering down through the drainage layer to back of wall.



TrendStone® Fraser Coral



LedaPAVE Charcoal

FREE PALLET COLLECTION

For free pallet collection service call **1300 781 620** or lodge a pick up online at **www.apexmasonry.com.au** or drop pallets back to place of purchase.



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COLOUR VARIATION

Due to the changes in raw material, variation in colour can occur. When ordering your product, order all products of your project together to reduce the possibility of colour variation. We do not guarantee different batches will be the same colour.

EFFLORESCENCE

Efflorescence (a salty deposit) is a natural occurrence in masonry products. Efflorescence does not affect the structural integrity of the product and will usually diminish and disappear in the course of time as the product is exposed to the elements. No responsibility will be accepted for the occurrence of efflorescence.

CLAIMS

Claims must be reported within 72 hours of delivery. No claims will be accepted once product has been installed. Please contact the store where goods were purchased to report any concerns regarding product delivery or quality.

Minimum order quantities apply to Made to Order colours.