

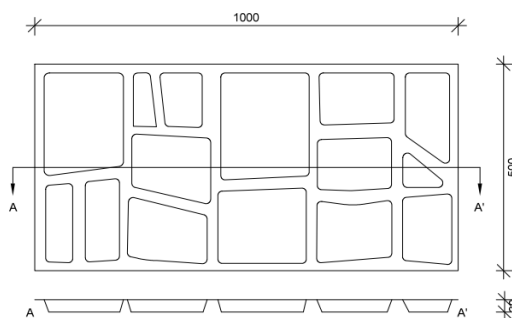
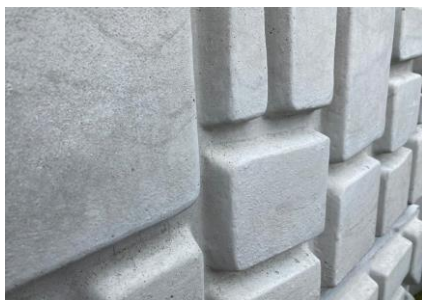
TECHNICAL DATA SHEET

RTG MODERN BLOCK



The RTG Modern Block is a pre-cast concrete modular block with cavity that is designed and manufactured by Retaining Technologies Group Pty Ltd (RTG). As a mass gravity wall, the blocks can be installed vertically or with offsets according to project specific design. It can also be used as a facing block reinforced earth wall if used in conjunction with geogrid and the positive inter-locking connection.

MODERN BLOCK SPECIFICATIONS		
ITEMS	DIMENSIONS	SPECIFICATIONS
OUTSIDE DIMENSIONS	L1000mm x W750mm x H500mm	-
INTERIOR DIMENSIONS	L800mm x W550mm x H500mm	-
THICKNESS	100mm (± 5mm)	-
MINIMUM COVER	45mm	AS 5100.5, TABLE 4.10.3(B)
MINIMUM DESIGN LIFE	100 YEARS	DTMR GDS CLAUSE 1K
CONCRETE COMPRESSIVE STRENGTH	40MPa	AS 5100.5, TABLE 4.5
MINIMUM SLUMP	80 – 180	MRTS70, TABLE 9.4(a)
EXPOSURE CLASSIFICATION	B2	AS 5100.5, TABLE 4.3
GEOMETRIC SIZING OF BASE (0.7H)	750mm	AS 4678-2002 CL. J8



FACING PATTERN
Scale (A) 1:10

Advantages

- 100 Years Design Life
- Aesthetics - Multiple facing textures or logos
- The only blocks designed to all Australian Government Standards
- Minimum block width compliant to Australia Standard AS4678
- Optimum weight and size for constructability
- Size of block ideal for safe working requirements (easier than larger blocks)
- Rapid installation using medium sized blocks (quicker than smaller blocks)
- Blocks can be filled with site won materials where project has less stringent backfill requirements
- Blocks can be adopted in both mass gravity and reinforced soil applications
- Blocks can incorporate geogrid for reinforced soil structures

Sustainability

- Minimal Carbon Footprint through optimised concrete required
- Use of site won materials or fouled ballast
- Speed of installation increased so reduction on resource requirements

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