

URBANSTONE COMMERCIAL PAVING SPECIFICATION

MATERIAL STANDARDS

CEMENT

Cement shall comply with AS 3972 - 1991 Portland and Blended Cements.

AGGREGATES.

Aggregates shall comply with AS 2758.1 - 1985 Concrete Aggregates.

ADMIXTURES.

Admixtures shall comply with AS 1478 - 1992 Chemical Admixtures for Concrete.

PIGMENTS.

Pigments shall comply with BS 1014 Pigments for Portland Cement & Portland Cement Products.

WATER.

Water should be free of injurious quantities of material harmful to concrete.

PAVING UNITS.

COLOUR.

Specify UrbanStone Commercial colours stating colour name, mix code and unit size.

Current standard colours include:

	Colour name	Mix Code
1.	Gunmetal	206
2.	Silvergrey	100
3.	Granite Cream	789
4.	PCC Grey	700
5.	New Amber	209
6.	Topaz	461
7.	Ivory	510
8.	Granite Bronze	748
9.	Ochre	702
10.	Casino Grey	924

PIGMENTATION & AGGREGATE

Pigmentation and surface aggregate shall be uniform throughout the full thickness of the paving unit.

SUREFACE FINISH

Surface Finish is to be specified as follows:

- 1. Shotblast**
- 2. Honed Grit 120**
- 3. Polished**

If a unit is larger than 600 x 600 a Sandblast finish will replace the Shotblast Finish. The exposed aggregate content of the surface should be a minimum of 80 percent and no aggregate should have more than 30 percent of its grading protruding above the surface of the cement matrix.

DIMENSIONS.

- 1. Thickness.**

The thickness of any unit should be within plus or minus 3mm of the designated thickness, except where honing or polishing is specified, as this may reduce the paving nominal thickness.

- 2. Length and Width.**

The length and width of any unit should be no greater than the overall nominal dimensions and within 1.5mm less than the stated nominal dimensions.

- 3. Draw.**

Units should be straight-sided with zero taper.

- 4. Flatness and Bowing.**

The maximum deviation from a 350mm straight edge, placed in any central position on the wearing surface of each individual unit, should not exceed 3.5mm.

- 5. Chamfer.**

The arises of the off form paving unit should have a rounded edge with a radius not exceeding the maximum aggregate size used (nominally 4.5mm radius) prior to secondary or tertiary treatment (ie shotblasting or honing).

- 6. Compressive Strength.**

The minimum twenty-eight day characteristic strength shall be 40Mpa.

- 7. Breaking Load.**

The minimum breaking load of paving units sampled from lots shall be 5 kN.

- 8. Slip Resistance.**

Slip resistance of paving shall have a minimum coefficient of friction of 0.45 as determined by the Tortus test or as determined by the pendulum test (excluding polished finishes).

- 9. Abrasion Resistance.**

The Mean Abrasion Index shall be determined in accordance with AS/NZS 4456.9. - Masonry Units and Segmental Pavers - Method of Test, and will be no greater than 3.0 for units to be installed in high volume pedestrian malls.

**URBANSTONE COMMERCIAL FURNITURE
AND LANDSCAPE ACCESSORIES SPECIFICATION**

MATERIAL STANDARDS

CEMENT.

Cement shall comply with AS 3972 - 1991 Portland and Blended Cements.

AGGREGATES.

Aggregates shall comply with AS 2758.1 - 1985 Concrete Aggregates.

ADMIXTURES.

Admixtures shall comply with AS 1478 - 1992 Chemical Admixtures for Concrete.

PIGMENTS.

Pigments shall comply with BS 1014 Pigments for Portland Cement & Portland Cement Products.

WATER.

Water should be free of injurious quantities of material harmful to concrete.

FURNITURE AND LANDSCAPING UNITS

COLOUR

Specify UrbanStone Commercial colours stating colour name and mix code.

Current standard colours include:

	Colour name	Mix Code
1.	Gunmetal	206
2.	Silvergrey	100
3.	Granite Cream	789
4.	PCC Grey	700
5.	New Amber	209
6.	Topaz	461
7.	Ivory	510
8.	Granite Bronze	748
9.	Ochre	702
10.	Casino Grey	924

PIGMENTATION & AGGREGATE

Pigmentation and surface aggregate shall be uniform through the full thickness of the precast unit.

SUREFACE FINISH

Surface Finish is to be specified as follows:-

- 1. Sandblast**
- 2. Honed Grit 120**
- 3. Polished**

The exposed aggregate content of the surface should be a minimum of 80 percent and no aggregate should have more than 30 percent of its grading protruding above the surface of the cement matrix.

DIMENSIONS.

1. Thickness.

The thickness of any unit should be within +/- 5mm of the designated thickness.

2. Length and Width.

The length and width of any unit should be within +/-5mm of the designated dimensions.

3. Draw.

Units should have minimal draw to allow for stripping.

4. Compressive Strength.

The minimum twenty-eight day characteristic strength shall be 40Mpa.

CHEMICAL COATINGS.

1. Anti-Graffiti.

A gloss or matt finish anti graffiti coating should be specified, if required.

2. Waterproof.

A transparent waterproof coating should be specified, if required.

SHOP DRAWINGS.

Precast units will only be manufactured after the client has approved detailed shop drawings.

Note: To help in ensuring the accuracy of quotations it is advisable to submit as much detail as possible in the form of a sketch or drawing. Remember, the less information available the slower the process will be.

SAMPLES.

Samples of colours and finishes are available for the client's approval.

Precast units will only be manufactured after the client has approved the colour and finish to be supplied.

Note: If your project has a short lead time, allow sufficient time for sample approval. It is better to get precisely what you want, the first time your request is addressed.

DELIVERY.

Delivery to site can be on pallets, if size permits, or else it will be delivered directly from an appropriate delivery vehicle. Always ensure that the matter of how the delivery is to be made is resolved prior to delivery as there may be a need for a crane or other lifting devices on-site.