

TERRAÇADE™

SPECIFICATION CLAUSES FOR NATSPEC USERS

2.8 TERRACOTTA CLADDING SYSTEM

DESCRIPTION

General: Design and provide a proprietary system of terracotta panels on vertical support rails complete with all accessories, trim, membrane and incidentals. Fixings shall be concealed. The components shall all integrate to provide a cladding free of looseness, deflections and excessive leaks.

Proprietary item: Austral Terraçade.

Location: > (see note 04).

Performance requirements: The façade system, when installed, shall withstand the local ambient conditions listed in clause SCHEDULES in section GENERAL REQUIREMENTS (see note 05).

PANELS

Cladding panels shall be extruded clay with integral supports to back face: refer to Panel Schedule for panel characteristics (see note 06).

Panel schedule (see note 06)

Finish code	Colour
>	>
>	>

COMPONENTS

Membrane: A proprietary spunbonded polypropylene fabric breather membrane:

- Proprietary item: Proctor Frameshield 100.

Support rails: Cold-formed vertical rails with integral support lugs:

- Material:
 - Galvanised steel;
 - Stainless steel (see note 013).

Subframing: Where subframing in the form of horizontal rails or girts is required due to the nature of the structure/fabric, it shall be provided by other trades (see note 09).

General trim: The system shall include but not be limited to, the following:

- Extruded aluminium internal and external corner sections (see note 07);
- Extruded aluminium door and window surrounds (see note 07);

- Extruded aluminium vertical joining strips (if required);

- Extruded aluminium surround profile with integral neoprene gasket.

Finish: Aluminium components shall be > (see note 08).

Compatibility: All metal components and associated fixings shall be resistant to electrolytic and atmospheric corrosion.

SAMPLES AND PROTOTYPES

Samples: Provide the following samples, including the relevant fixings, before starting work on site:

- 3 panel samples of each colour and each surface finish to show the full range of variance;
- 1 sample of each type of linear component, min 500 mm long;
- 1 sample of each fixing or fastener type.

Prototypes: Following written approval of the samples, provide a prototype installation of the cladding system with examples of each of the components incorporated. When approved in writing, the prototype may form part of the final installation.

- Location: Where directed by the architect.
- Minimum surface area: As directed by the architect.

3.7 TERRACOTTA CLADDING INSTALLATION

GENERALLY

Experience: The installation work shall only be carried out by firms and personnel, either

- Assisted by advice and on-site training by the manufacturer; or
- With demonstrated successful experience in similar installations;

Requirements: Carry out strictly in accordance with the current published instructions and recommendations of the cladding manufacturer, which are deemed to be included in the contract: keep 2 copies on site at all times (see note 010).

Tolerances: When installing vertical support rails, pack as necessary to ensure that final tolerances of installed cladding

do not exceed ± 2 mm when tested in any direction with a 3 metre straightedge.

Corner treatment: Either:

- Mitre the edges of abutting panels, leaving the factory arris intact, or
- Use the manufacturer's standard aluminium corner sections, or
- > (see note 011)

MEMBRANE

Install horizontally in maximum lengths, in accordance with the manufacturer's published recommendations and as follows:

- Horizontal joints: lap minimum 100 mm to shed water;
- Vertical joints (staggered): 150 mm.

FIXINGS AND FASTENERS

Use only the types and sizes recommended by the manufacturer.

FLASHINGS

At the base of wall areas clad with terracotta panels and also at minimum 2-storey intervals, flashings to shed water to the outside are to be provided by other trades. Co-ordinate the cladding with the flashing installation.

SPARE PANELS

General: Provide spare panels and store on site in a location to be directed. Stack in such a way as to prevent damage to panels.

Quantity: 1% of the total installed or 5 sq m, whichever is the lesser.

WARRANTIES

Provide back-to-back warranties, each for 10 years, to cover

- Defects in materials (manufacturer)
- Defects in labour and installation (installer)

Subject only to compliance with the requirements of this specification and any care and maintenance instructions of the manufacturer.

CERTIFICATION

On completion of the cladding installation, provide a certificate signed by the builder and the subcontractor stating that the work has been carried out in accordance with the requirements of the specification.

TERRAÇADE:

NOTES FOR NATSPEC USERS

GUIDE NOTES	
01.	This text is intended to be inserted into section 043 CLADDING, based on Natspec 2006 version
02.	Note that the system is not designed to be completely watertight, therefore the substrate needs to be either an external wall or a wall protected by a waterproof layer or membrane (included in system)
03.	Cross-refer to any other relevant spec sections (eg WATERPROOFING, BRICK & BLOCK CONSTRUCTION, STRUCTURAL STEEL)
04.	Locations may be listed in this clause, referred to the drawings or identified in a Finishes Schedule
05.	Ambient conditions should be listed in GENERAL REQUIREMENTS section as they are likely to apply to other trades such as roofing, windows etc
06.	Preferably indicate by material or finish codes on elevations. If there is only one panel type in the project, it would be preferable to delete the table and add the finish/colour information to the text.
07.	Modify descriptions if another method or non-standard treatment is selected
08.	Select from mill finish, anodised or powder coated
09.	Select according to wall structure or substrate: consult manufacturer
010.	The manufacturer will provide copies of the preparation and installation instructions to the builder and subcontractor and will also provide site advice
011.	Select one; consult manufacturer if non-standard method is proposed
012.	Select according to wall structure or substrate: show flashings in details
013.	Use stainless steel where ambient conditions are aggressive (ie industrial and/or salt atmospheres)

DISCLAIMER

This information is provided in good faith by the manufacturer as an aid to architects and designers. It is essential that the text of these specification clauses be reviewed and edited to suit the particular requirements of the project.

ELECTRONIC VERSION

This document is also available in electronic format on the included Terraçade cd-rom.