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seratoneTM oxidesTM

design and installation



fundamentally different

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Oxides™ are a lightweight, high-density oil tempered fibreboard panel coated with a unique UV system, for use in dry area applications only.

the seratone™ exclusively for dry areas

For wet or hygiene area applications, use Seratone™ Silverseal™.



an eruption of colour from deep within the earth

Seratone™ Oxide™ prefinished panels are inspired by the intensity of geological forces and the minerals those forces create.

The surface finish is lightly textured with a soft, discrete sheen.

While the finish is smooth, it has a subtle, oxidised appearance, a barely discernable hint of colour fleck that reflects light in unique ways.

Colours seem to go through an ever-changing metamorphosis from one hue to another right before your eyes.

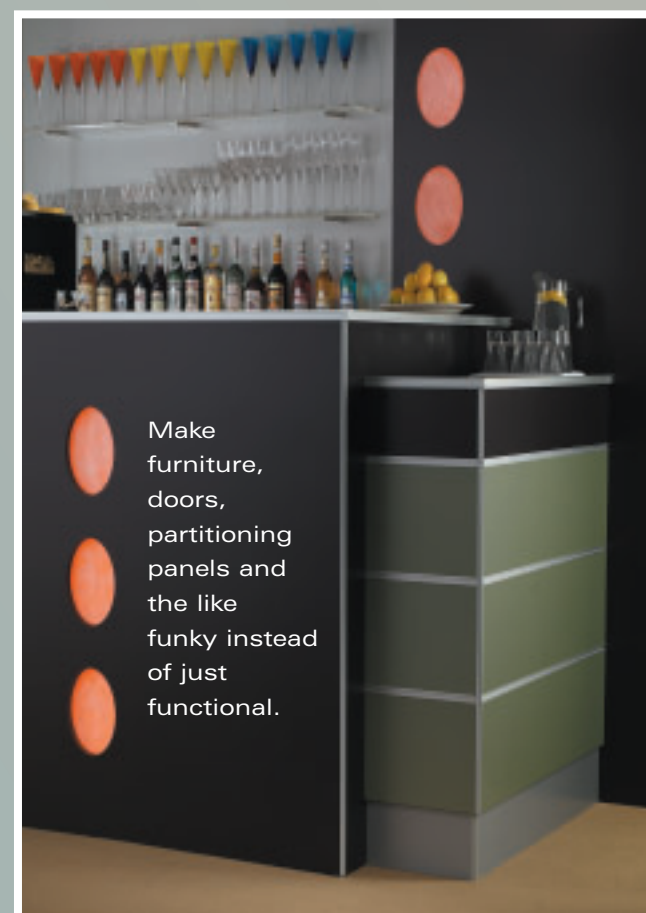
Oxide™ colours feature a unique micaceous pigment which reflects light in unexpected ways giving the panels a multiplicity of different looks when viewed from different angles and under different lighting conditions.

colours that change before your eyes

Colours change in hue and intensity so the finish appears not as a single, uniform colour, but as a spectrum of colours within the base colour.



multiple personalities



Seratone™ Oxide™ panels give designers a new freedom with colour, texture and light because the finish appears not as a single colour but as a range of colours that are ever-changing within the interior environment.



Oxides Fissure



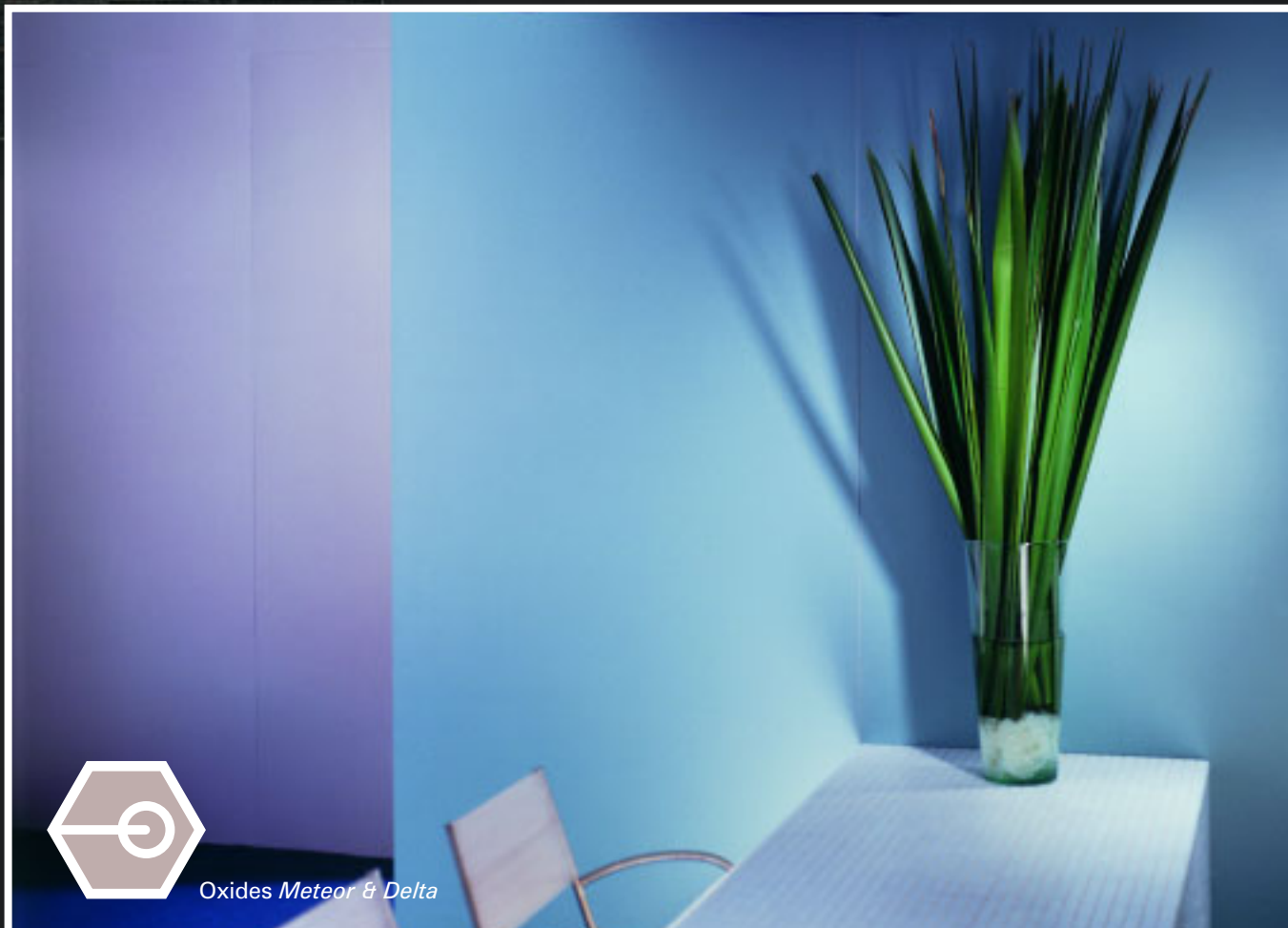
Oxides Fissure



FEATURE ARTWORK: Oxides *Fossil, Meteor & Delta*
with Silverseal *Charcoal & Sand*



Oxides *Meteor & Crater*



Oxides *Meteor & Delta*

Because Oxide™ panels are light-weight, easy to work with and simple to install, they are especially suitable for sets and display areas as well as traditional residential and commercial applications.

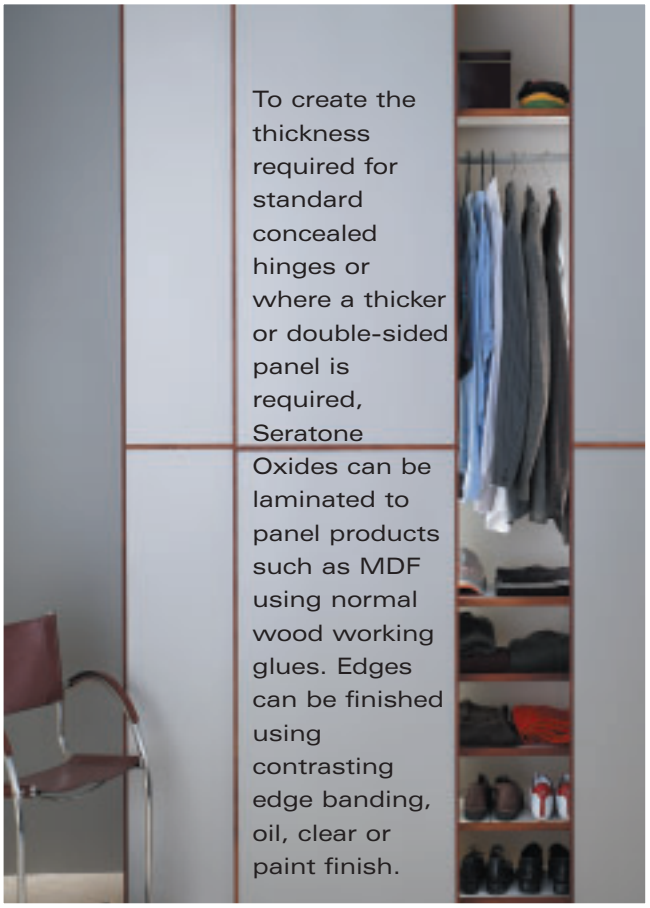


Seratone Oxides panels are easy to work with and can be curved to a one-metre radius. They can also be CAD or laser cut for feature panels, corporate identification or signage.

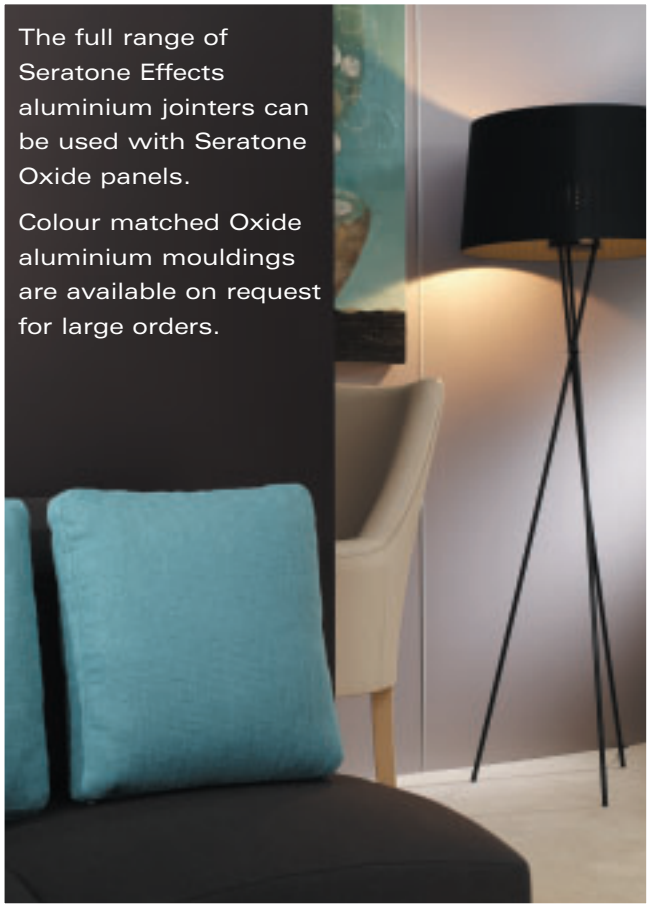


Seratone Oxides panels can be permanently fixed, or installed so panels are removable providing the option of updating according to fashion trends.

Seratone Oxides panels are simple to install using construction adhesive or double sided tape over standard timber framing, or fixed to other lining substrates such as plasterboard. Sheets can be butt jointed.



To create the thickness required for standard concealed hinges or where a thicker or double-sided panel is required, Seratone Oxides can be laminated to panel products such as MDF using normal wood working glues. Edges can be finished using contrasting edge banding, oil, clear or paint finish.



The full range of Seratone Effects aluminium jointers can be used with Seratone Oxide panels. Colour matched Oxide aluminium mouldings are available on request for large orders.

Critical Information

Oxides are a lightweight, high-density oil tempered fibreboard panel coated with a unique UV system, for use in dry area applications only.

Oxide panels should not be used in wet areas such as bathrooms, laundries, splashbacks, saunas, steam, spa, high humidity or heavy wash down areas.

For wet or hygiene area applications, use Seratone Silverseal.

Because of the micaceous pigment used in the Seratone Oxides range, the panels are directional (refer to directional arrow on the panels).

Starting the installation

Planning the installation

When planning an installation it is important to select the most appropriate jointing and fixing method to achieve the desired result. Refer to page 13 for fixing and jointing options.

Getting started

In planning the job, remember not all walls/ceilings/floors of a building are square. It is usually advisable to begin in the centre of the wall with a full Seratone Oxide panel. Plan for part panels to be placed at the corners of the room.

Ensure panel joints (and jointers where appropriate) coincide with centre of studs or supports.

Complete plan for joint sequence layout.

NOTE: Panels can be installed vertically or horizontally. If panels are to be laid horizontally, ensure continuous edge support is provided behind all joints. As the panels are directional in nature it is important whether installing the panels vertically or horizontally that panels are laid all in the same direction. Please ensure that the directional arrow on each sheet is pointing in the same direction unless you wish to make a feature of this.

Pre-checks – Wall alignment

TIMBER FRAMING

Ensure that the stud faces are straight and in alignment.

Studs and nogs need to be at 600 mm maximum centres for 1200 mm wide sheets.

Check that nog/dwang faces are flush with the studs.

Ensure all support surfaces to be bonded are clean and dry (maximum moisture content:18%).

LINED WALLS

Walls lined with plasterboard or similar are suitable for direct fixing, providing the surface is flat, sound and properly fixed.

CONCRETE AND MASONRY WALLS

Ensure that all walls are sound with no cracks and are sealed against moisture.

For 1200 mm panels, make sure that all strapping (timber battens) is spaced at 600 mm maximum centres (vertically and horizontally).

Strapping and battens must have a damp proof course between timber and concrete, or use treated timber.

Fix the strapping with nails or screws.

If masonry walls are solid plaster with a smooth finish, Seratone Oxides can be applied directly over, provided the masonry wall remains dry at all times.

Renovations

When using Seratone Oxides to reline over existing walls or ceilings, previously painted surfaces should be cleaned, then scuffed with coarse abrasive paper to form a key for adhesion.

Check that adhesive does not soften old paintwork.

Check panels & precondition

Check batch numbers are the same on the reverse of each panel to ensure colour consistency.

Precondition Seratone Oxide panels (separate panels and open stack them for at least 48 hours in the room where they are to be installed).

Removing the packaging and protective film

On delivery, Seratone Oxides are packaged in face to face pairs with a protective tape around the perimeter edges of the paired panels. To remove tape, gently peel tape slowly away from the panel edge. Do not use a knife to cut the tape, as this may damage the face of the panel.

A sheet of protective film protects the face of each panel of Seratone Oxides. The film is designed to keep the panel clean and to protect against scratches. The film should be removed in two stages.

Initially, 50 mm should be removed from all edges, to allow for jointing/sealing. Only when the panel is completely installed should the remainder of the film be removed.

Cutting and shaping panels

Cutting panels

Horizontally measure the top and bottom of the wall to determine the panel width required, as not all walls are square.

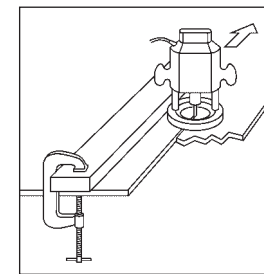
Use a ballpoint pen to gently mark these measurements onto the protective film.

Always support the Seratone Oxide panel, using a table or sheet of panel material.

Ideally the panels should be cut using a router. Alternatively they may be cut using a table saw, circular saw, or a fine tooth panel saw. The specific instructions for each are as follows:

Always ensure that the blade is sharp.

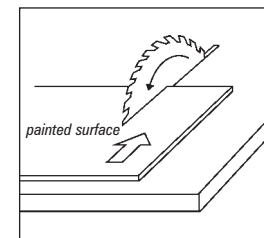
ROUTER



A router can be used to cut the panel, or alternatively, to finish an edge after cutting with a circular saw.

Clamp a straight edge to the panel as a guide for the tool and cut the panel to the dimensions you require.

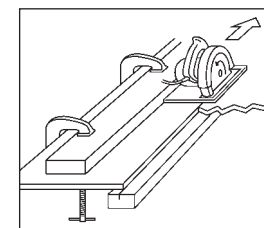
TABLE SAW



Normally a table saw's blade rotation is down. If this is the case, cut panel with painted surface face up. If blade rotation is up, cut panel with painted surface face down.

Allow the panel to pass through the saw with even pressure – do not force the panel.

CIRCULAR SAW



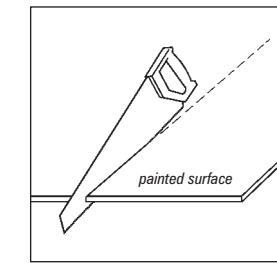
Normally the blade rotation of a circular saw is up. If this is the case, cut panel with painted surface face down. If blade rotation is down, cut panel with painted surface face up.

Clamp a straight edge to the panel as a guide for the tool. Place a scrap piece of timber material under the line you will be cutting. This supporting material is important in that it helps to reduce chipping of the painted surface.

Reduce the depth of the blade cut to approximately 7 mm.

Cut the panel using the circular saw. Cut slowly with a sharp, high quality, fine tooth blade.

HAND SAW



A fine tooth panel saw may be used to cut Seratone Oxides.

The panel should be cut with the painted surface face up.

Mark the panel for the cut.

Hold the blade of the hand saw at a very low angle, so that it is almost flat to the edge of the board.

Cut slowly and carefully with even strokes.

Once cut with panel saw it is a good idea to clean the cut edges with a plane or very fine sand-paper (eg 320 grit).

Finishing the edge after cutting

Use a router or electric plane to finish the edge.

When using an electric plane, ensure that it is held square to the edge of the sheet. The sheet should be well supported and secured.

If required, one pass of a very fine sandpaper (eg. 320 grit) will finish the edge.

Cutting panels for use with Seratone Effects jointers

Seratone Oxides have factory chamfered edges. For best results using the professional range of Seratone Effects aluminium jointers, this edge should be removed.

As the professional jointers do not provide cover to the edge of the Seratone Oxide panels, care must be taken when cutting the panels to ensure that a desirable finish is achieved.

Cutting for penetrations

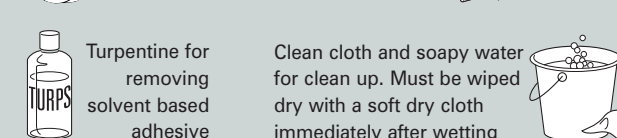
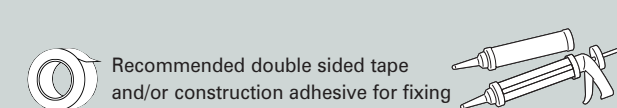
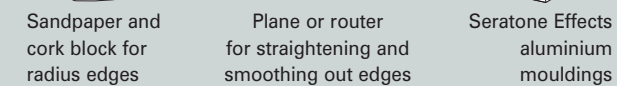
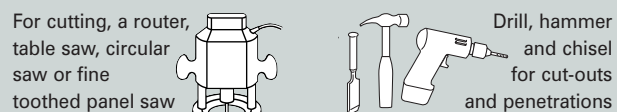
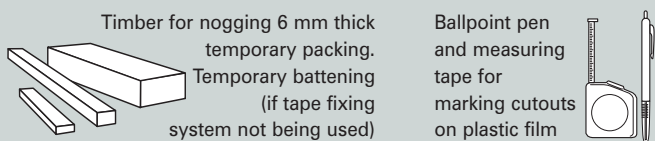
Measure and mark cutouts for light boxes etc ensuring sufficient clearance is allowed.

Shaping a panel

Curving panels: Seratone Oxides can be curved to a radius of one metre or more.

Use recommended construction adhesive and secure panel with clamps while adhesive cures.

SOURCE APPROPRIATE TOOLS AND ACCESSORIES



Choosing the best jointing and fixing method

PROFESSIONAL ALUMINIUM MOULDINGS

If you are using the Professional range of Seratone Effects aluminium mouldings, the Seratone Oxides panels must be fixed over plasterboard or some other lining.

The recommended fixing method in this instance is tape and construction adhesive. However if a removable panel is required then the panels can be fixed using removable tape.


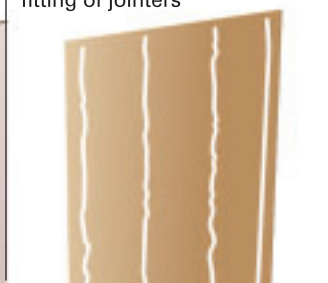

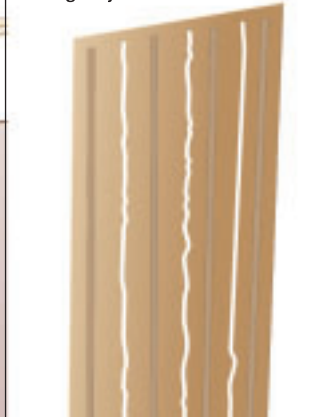


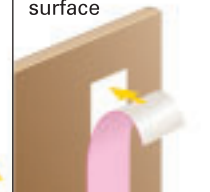

STANDARD ALUMINIUM MOULDINGS

If you are using the Standard range of Seratone Effects aluminium mouldings, the Seratone Oxides panels can be fixed either over studs/framing or over plasterboard or some other lining.

They can be fixed to those surfaces either by using tape and construction adhesive, or by using construction adhesive by itself.



Fixing instructions

PERMANENT	Construction Adhesive		INSTRUCTIONS	BRAND NAMES OF FIXING PRODUCTS
	<div>Apply to wall studs and noggings if mounting panel directly onto framing</div>  <div>Apply at 400 mm centres on back of panel if mounting on existing wall lining</div>  <div>Keep adhesive clear of panel edges to allow for ongoing fitting of jointers</div>	<div>1. Apply construction adhesive to framing or lining material.</div> <div>2. Align and push panel onto the adhesive.</div> <div>3. Transfer half of the glue to the panel by lightly pressing it into place momentarily, then removing.</div> <div>4. When glue is “touch dry”, firmly reposition panel on to centre of frame.</div> <div>5. Temporarily hold the panel edges against the stud while the adhesive cures using blocks fixed to framing or substrate with small diameter nails.</div> <div>6. Once the adhesive is cured, remove the blocking.</div>	<div>FOSROC: Showerbond, Nailbond SB, Nailbond WB and Jaws</div> <div>HB FULLER: Max Bond Panel</div> <div>SELLEYS: Liquid Nails Fast Grab</div> <div>BOSTIK: Tuf-as-nails</div>	
PERMANENT	Construction Adhesive & Tape		INSTRUCTIONS	BRAND NAMES OF FIXING PRODUCTS
	<div>To mount panel directly to framing, apply adhesive to noggings and tesa 4952 tape to studs</div>  <div>Adhesion of panel to tape allows panel to be positioned without bracing</div> <div>Apply at 400 mm centres on back of panel if mounting on existing wall lining</div>  <div>Keep adhesive clear of panel edges to allow for ongoing fitting of jointers</div>	<div>Fixing onto Plasterboard/Lining:</div> <div>1. Apply full lengths of construction adhesive to the back of the panel.</div> <div>2. Transfer half of the construction adhesive to the panel by aligning and lightly pushing onto the wall lining momentarily, then removing.</div> <div>3. Apply tape to areas between the columns of construction adhesive. This must be 400 mm centres in full length vertical strips.</div> <div>4. When construction adhesive is “touch dry”, firmly reposition the panel.</div> <div>Fixing directly onto Studs/Framing:</div> <div>1. Apply construction adhesive to the nogs or dwangs.</div> <div>2. Transfer half of the construction adhesive to the panel by aligning and lightly pushing onto the wall lining momentarily, then removing.</div> <div>3. Apply tape to the studs in full length vertical strips.</div> <div>4. When construction adhesive is “touch dry”, firmly reposition the panel.</div>	<div>tesa tape 4952 (18 mm width) and recommended construction adhesive</div> <div>FOSROC: Showerbond, Nailbond SB, Nailbond WB and Jaws</div> <div>HB FULLER: Max Bond Panel</div> <div>SELLEYS: Liquid Nails Fast Grab</div> <div>BOSTIK: Tuf-as-nails</div>	
REMOVABLE	Two Tapes used in conjunction		INSTRUCTIONS	BRAND NAMES OF FIXING PRODUCTS
	<div>1. Apply tesa 4952 tape to back of panel at 400 mm max centres</div>  <div>2. Peel brown tesa 4952 tape backing</div>  <div>3. Apply Danco tape, pink backing uppermost, to completely cover exposed tesa 4952 surface</div>  <div>4. Peel pink Danco backing. Panel is then ready to apply to substrate</div> 	<div>1. Using two tapes together will allow the panel to be removed (if required) on an infrequent basis. This is useful where access to electrical or plumbing services is required, or where changes in layout and panel re-use are important (eg. for changes in signage or displays).</div> <div>2. Apply tesa 4952 to the back of the panel in full length vertical strips at 400 mm maximum spacing. Remove the paper release liner. Danco tape should be layered on top of tesa 4952. The red release liner of the Danco tape should be removed.</div> <div>3. The panel can then be pressed against the wall.</div>	<div>tesa tape 4952 and Danco 109 (NZ)</div>	

TAPE DISTRIBUTORS: tesa tape and Danco tape are available from all reputable building product merchants. For availability in your area contact FWP Customer Services on 0800 800 080.

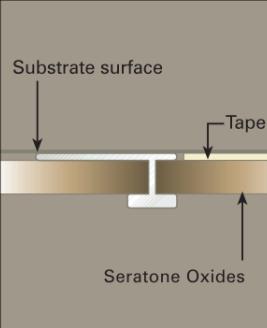
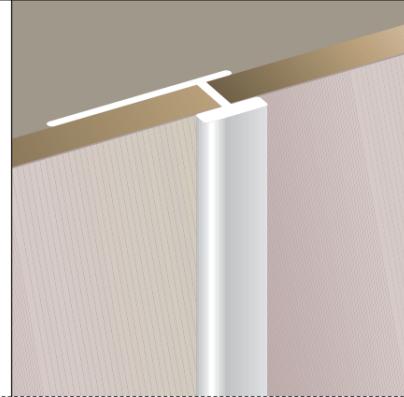
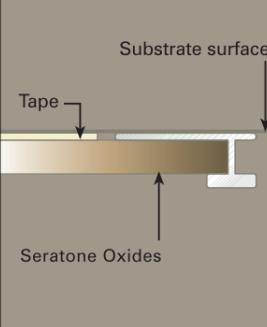
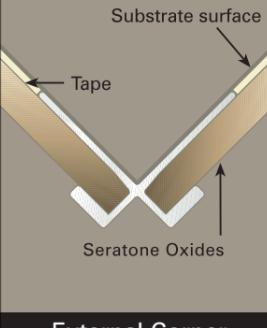
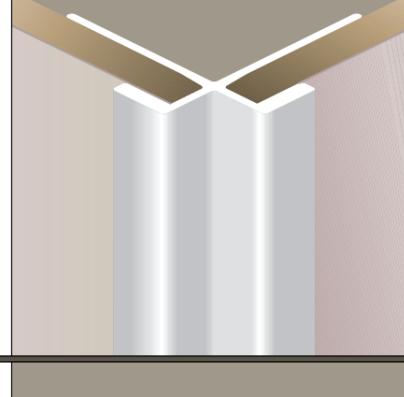
PROFILE	FUNCTION	INSTALLATION DETAILS	INSTALLED APPEARANCE
 <p>Substrate surface</p> <p>Tape</p> <p>Seratone Oxides</p> <p>H-Jointer Option 1</p>	<p>Serves two functions:</p> <p>It provides a stylish way to join two sheets on a flat wall or it can be used as an end cap with a negative detail.</p>	<p>Joining two sheets:</p> <p>Method 1: Secure panel against the wall, then simply slide moulding onto the end of the panel. Push next panel into moulding.</p> <p>Method 2: Screw fix moulding, then slide panel into it. Screws should be countersunk at 300 mm centres.</p>	
 <p>Substrate surface</p> <p>Tape</p> <p>Seratone Oxides</p> <p>H-Jointer Option 2</p>	<p>Serves two functions:</p> <p>It provides a stylish way to join two sheets on a flat wall or it can be used as an end cap with a negative detail.</p>	<p>End Cap:</p> <p>First secure the jointer, then position the panel.</p> <p>Jointer can be attached using screw fixing or construction adhesive.</p> <p>When screw fixing, the screws should be countersunk and spaced 300 mm apart.</p>	
 <p>Substrate surface</p> <p>Tape</p> <p>Seratone Oxides</p> <p>External Corner</p>	<p>The negative detail and wide flanges make this a stylish and functional external corner.</p>	<p>First secure the jointer, then position the panel in place.</p> <p>Jointer can be attached using screw fixing or construction adhesive.</p> <p>When screw fixing, the screws should be countersunk and spaced 300 mm apart.</p>	
 <p>Substrate surface</p> <p>Tape</p> <p>Seratone Oxides</p> <p>Internal Corner</p>	<p>Provides a stylish curve to finish off an internal corner.</p>	<p>Secure jointer to first panel and secure to wall in one piece. Second sheet can be positioned into place to secure the jointer.</p> <p>Jointer can be attached using screw fixing or construction adhesive.</p> <p>When screw fixing, the screws should be countersunk and spaced 300 mm apart.</p>	

FIGURE 1

The diagram illustrates the installation of an aluminium internal corner jointer. It shows a cross-section of a corner where two wooden panels meet. A white aluminium jointer is positioned in the corner. A yellow circular fastener is shown being inserted into the jointer. A white corner wall stud assembly is also shown. A layer of construction adhesive is applied to the studs and noggings. A protective film is shown being peeled back from the edge of the panel. The jointer is fixed with countersunk screws at 300mm centres. The jointer is shown being inserted into the corner of the Seratone Oxides panel.

Aluminium internal corner jointer fixed with countersunk screws at 300mm centres

Corner wall stud assembly

Construction adhesive to studs and noggings

Peel back protective film about 50 mm from edge of panel before inserting into jointer

Seratone Oxides panel

FIGURE 2

Jointer (eg Internal Corner)

2 mm clearance from ceiling

Adhesive applied to studs and noggings (or plasterboard)

Seratone Oxides panel

Slide next jointer behind Seratone Oxides panel and fix, ready for next panel

Bottom plate

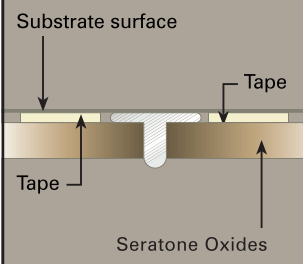
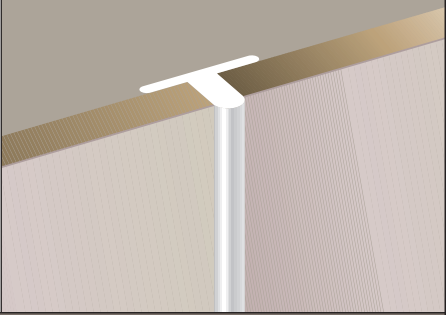
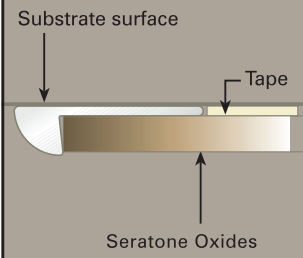
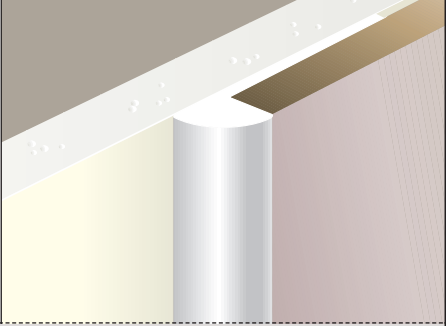
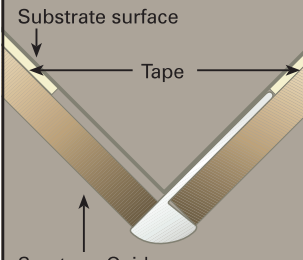
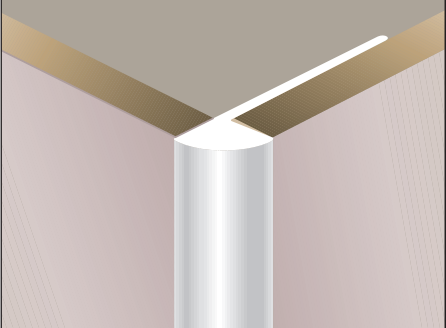
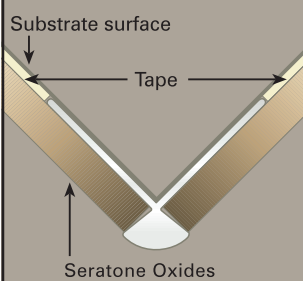
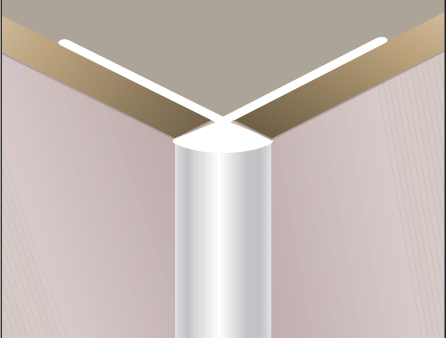
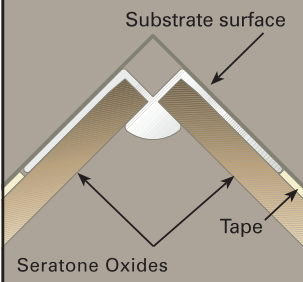
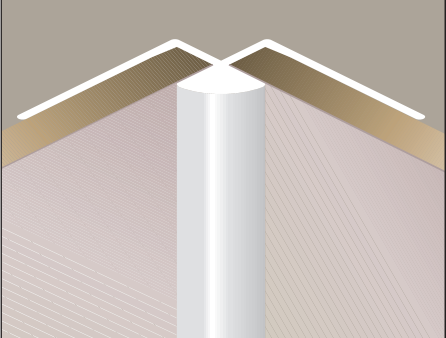
Slide panel into installed jointer

Support panel on 6 mm packer

Floor



Installation using professional aluminium jointers

TABLE 2			
PROFILE	FUNCTION	INSTALLATION DETAILS	INSTALLED APPEARANCE
 T-Jointer	Provides a low profile bullnose bead which neatly joins two panels of Seratone Oxides on a flat wall.	No fixing or adhesive is required on the back of the aluminium profile. Once the Seratone Oxides panel is secured, push jointer into place with the flange sitting behind the panel.	
 End Cap Option 1	Provides an ideal way to finish a stop end on a flat wall or used as an external corner.	Stop End: First secure the jointer, then position the panel in place. Jointer can be attached using screw fixing or construction adhesive. When screw fixing, the screws should be countersunk and spaced 300 mm apart.	
 End Cap Option 2	Provides an ideal way to finish a stop end on a flat wall or used as an external corner.	External Corner: First secure the jointer, then position the panel in place. Jointer can be attached using screw fixing or construction adhesive. When screw fixing, the screws should be countersunk and spaced 300 mm apart.	
 External Corner	Provides a low profile solution for external corners or overhead bulkheads.	First secure the jointer, then position the panel in place. Jointer can be attached using screw fixing or construction adhesive. When screw fixing, the screws should be countersunk and spaced 300 mm apart.	
 Internal Corner	Provides a stylish curve to finish off an internal corner.	First secure the jointer then position the panel in place. Jointer can be attached using screw fixing or construction adhesive. When screw fixing, the screws should be countersunk and spaced 300 mm apart.	

The professional jointing system is only suitable for installation on fully lined walls (eg. plasterboard) and should not be used when installing Seratone Oxides direct to framing.

AT THE INSTALLATION STARTING POINT

Mark out areas for penetrations on protective film and cut.

Take the first sheet of Seratone Oxides and peel the protective film approximately 50 mm from the edge.

When installing Seratone Effects professional jointers, the use of tesa 4952 tape is recommended (refer to pages 13 and 14). The tape ensures that the jointer flange is evenly aligned.

Fix the first jointer.

Screw fix aluminium jointers in place or tape to board or substrate material. Countersink screws at 300 mm centres.

Slide next jointer onto the trailing edge of the panel.

If you have difficulty inserting panels into jointers, lightly sand or plane the edge on the back of the panel.

Apply construction adhesive and tesa 4952 tape to the substrate (refer to pages 13 and 14) as per manufacturer's recommendations and fixing instructions.

NOTE: Construction adhesive must be applied to the panel first, and half the adhesive transferred to the wall lining to allow time for the solvents in the construction adhesive to evaporate.

Insert panel into fixed jointer.

Ensure the edge of the panel is plumb and correctly aligned in the fixed jointer.

Once the construction adhesive is in position, press the panel firmly onto the centre stud, add jointer to trailing edge then nail or screw fix trailing jointer to stud.

Continue installing by inserting each new panel into the jointer of the previous panel. Screw fix or glue jointers to studs as you go.

Check for adhesive spillage, and clean off if necessary.



Important points to note when using Seratone™ Effects jointers

PROFESSIONAL RANGE

Ensure aluminium jointers are supported by a substrate such as MDF or plasterboard.

Cutting panels for the Professional range of jointers: Seratone Oxides have a light chamfered edge. For best results with the professional range of aluminium jointers, this edge should be removed.

As this professional range of jointers does not provide cover to the edge of the Seratone Oxides panels, care must be taken when cutting the panels to ensure that a desirable finish is achieved.

Ideally the panels should be cut using a router. Alternatively they may be cut using a table saw, circular saw, or a fine tooth panel saw. The specific instructions for each are detailed on page 12.

Always ensure that the blade is sharp.

STANDARD RANGE

It is not necessary to remove the factory chamfered edge from Seratone Oxides panels if you are installing the Standard Range of Aluminium jointers.



SeratoneTM OxidesTM Do's

- Do measure rooms and plan the joint positions.
- Do transport and store panels flat and clear of ground.
- Do check panels have the same batch number.
- Do pre-condition panels.
- Do follow adhesive manufacturer instructions.
- Do provide a 6 mm gap at the floor line to accommodate movement.
- Do remove the factory finished chamfered edge when using Seratone Effects professional range of aluminum jointers.
- Do cut Seratone Oxides using a router, table saw, circular saw or a fine tooth panel saw. Use a panel saw at a low angle with the panel face up to avoid possible damage to the sheet face.
- Do check timber framing is dry, clean and dust free.
- Do ensure professional aluminium jointers are supported by a substrate such as MDF or plasterboard.
- Do ensure that the directional arrow on the panel is always pointing the same direction on all the panels. Unless you wish to make a feature of the directional nature of the panels.



SeratoneTM OxidesTM Don'ts

- Don't use the Seratone Oxides panels in a wet area. They cannot be installed in bathrooms, laundries, spa rooms, high humidity or heavy wash down rooms.
- Don't store panels in areas prone to damage or exposed to weather or direct sunlight.
- Don't fix panels over wet or poorly prepared frames.
- Don't force panels into position without edge clearance.
- Don't mix batch numbers.
- Don't directly bond to masonry or concrete (use dry timber battens).
- Don't nail Seratone Oxide panels – this destroys the paint surface.
- Don't use abrasive or strong alkali cleaners on the Seratone Oxides surface.
- Don't install Seratone Oxide panels on horizontal surfaces like bench, table or counter tops.

Maintenance information

Handling and Storage

Seratone Oxides must be stored in dry conditions and handled in accordance with this document.

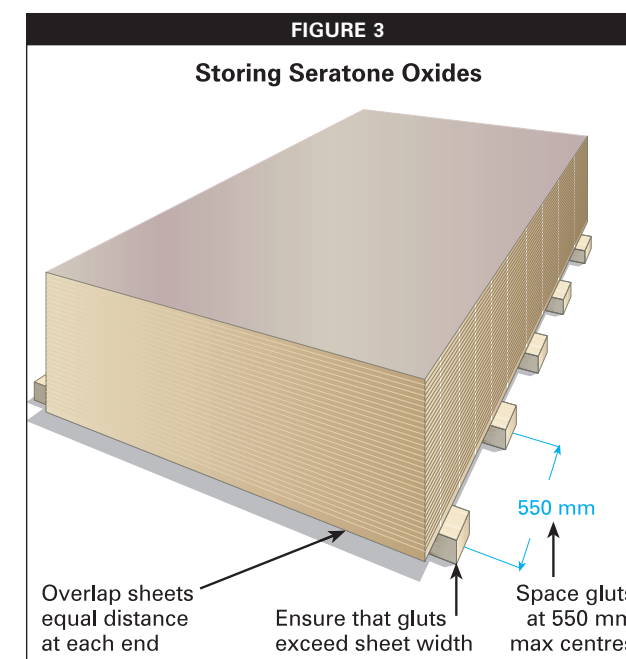
Keep sheets flat by stacking on evenly placed bearers (gluts) which extend across the full panel width.

When stacking higher than one pack, line gluts vertically one above the other.

Care of panel face is essential to protect the surface.

To avoid damage to the surface, lift rather than drag the sheets off the stack.

Leave edge taped panels intact until ready for use.



Cleaning

RECOMMENDED CLEANING PRODUCTS:

Ajax spray 'n' wipe – multi purpose lemon citrus, multi purpose ocean fresh, kitchen antibacterial, bathroom antibacterial, Sunlight liquid (1% solution).

Adhere to cleaner manufacturer's instructions.

A soft cloth is recommended.

The surface of the panels should always be wiped dry with a soft cloth after applying any cleaner.

Do not use scouring pads or abrasive cloths or cleaners (e.g steel wool) as these may damage the surface.

Repair

Touch-up paints are available in NZ by contacting FWP Customer Services or your local Seratone distributor.

Further repair information is available by contacting Fletcher Wood Panels' technical support team on 0800 800 080.

Technical Design Information

Durability

When stored, handled, installed and maintained in accordance with this document, Seratone Oxides will meet the durability requirements of the NZ Building Code B2.3.1(b) and (c) and has a service life of at least 15 years.

TABLE 3	
Sheet Details	
Sheet Size (mm)	2700 x 1200
Nominal Thickness (mm)	4.75
Mean Weight (kg/m²)	4.7
Mean Weight per Sheet (kg)	15.2

Sheet Tolerances	
Length and Width	+/- 2.0 mm
Squareness	The difference between the measured diagonals is no greater than 3.0 mm
Thickness	+/- 0.5 mm from the nominal
Board Edge Straightness (in plane)	0.4 mm maximum deviation from a straight line

Substrate Properties		
Property	Performance Figures	Units
Density	990	kg/m³
Internal Bond	2.8	MPa
Shear strength	4.24	MPa
Modulus of rupture	Long direction - 60 Short direction - 47	MPa
Modulus of elasticity	Long direction - 8100 Short direction - 6300	MPa
Impact (index resistance of board)	200	mm
Curved Shapes	Minimum radius 4.75 mm sheet	1000 mm

Moisture Content

Seratone Oxide panels are factory conditioned prior to despatch. Like most wood-based products, they are subject to the effects of humidity change.

Effects of heat: Australia & NZ

Seratone Oxide panels are combustible and they must be separated from chimneys, fireplaces, heaters, flues and fuel-burning appliances in accordance with the requirements of NZBC Acceptable Solution C/AS1.



Compliance information

Early fire hazard properties

Seratone Oxides have been tested according to AS/NZS 1530.3: 1999.

The early fire hazard test indices for Seratone Oxide panels 4.75 mm are given in APL test report 03068. Refer to Table 4.

TABLE 4	
Fire Hazard Test Indices for Seratone Oxides	4.75 mm
Ignitability Index (Range 0-20)	12
Spread of Flame (Range 0-10)	7
Heat Evolved Index (Range 0-10)	6
Smoke Developed Index (Range 0-10)	5

New Zealand suitability

Panels must only be used where the surface finish indices meet the surface finish requirements for walls and ceilings of the New Zealand Building Code.

There are no restrictions on use within buildings of purpose groups SH (detached dwellings) and SR (multi-unit residential)

For all other buildings, indices must be checked for compliance with the New Zealand Building Code.

Environmental compliance

Seratone Oxides are manufactured from sustainable plantation grown wood.

The manufacturing and surface coating processes meet all the environmental requirements of the New Zealand Resource Management Act administered by the Ministry for the Environment.

Seratone Oxides are inert in normal use and do not emit gaseous vapours.

The product can be recycled into similar uses to the original provided it is not damaged in the process.

Seratone Oxides can be finally disposed of by either incineration or land fill.

For an environmental compliance statement, contact FWP.

Test Reports

The systems and product testing referred to has been carried out by the Building Research Association of New Zealand (BRANZ) and Applied Physics Laboratories (APL) as identified in Tables 3 and 4. The test results are available by contacting FWP Customer Services or your Seratone Oxides distributor.

Health and Safety

Health and safety precautions must be taken when working with wood panel products.

Work areas must be kept clean. Sawing and machining equipment must be fitted with dust extractors to ensure that dust levels are kept within standards laid down by Worksafe Australia, Occupational Health and Safety New Zealand, or the specific country of use.

If not, a dust mask conforming to AS/NZS 1715 and AS/NZS 1716 and eye protection conforming to AS/NZS 1337 must be worn.

Offcuts, shavings and dust must be disposed of in a manner that avoids the generation of dust and in accordance with the requirements of local waste authorities.

For further information and Material Safety Data Sheets, please phone Fletcher Wood Panels Customer Services Department, Freephone 0800 800 080.

Performance Information

When stored, handled, installed and maintained in accordance with this document, Seratone Oxides will meet the durability requirements of the New Zealand Building Code B2.3.1 (b) and (c) and has a serviceable life of at least 15 years.

Fletcher Wood Panels will not be liable to any person if the conditions as to storage, handling, installation and maintenance of Seratone Oxides as outlined within this document are not complied with. It is the obligation of the installer of Seratone Oxides to convey this information to the relevant owner/occupier.

Various proprietary products such as adhesives and tape fixings are referred to within this document for use in conjunction with Seratone Oxides. These products are not manufactured by Fletcher Wood Panels and must be used in accordance with the relevant manufacturer's instructions.

Fletcher Wood Panels accepts no liability for these proprietary products

Technical Support

Not all use options and technical information can be described herein. Additional end use and specifying information is available as a complimentary service.

The information contained in this brochure must not be reproduced or published in whole or part without the prior consent of Fletcher Wood Panels.

Fletcher Wood Panels reserves the right to revise without notice any information contained in this brochure.

For further information and to check the currency of the information contained in this brochure please contact Fletcher Wood Panels or visit www.seratone.co.nz



using seratone™ oxides™ with other seratone products

SERATONE EFFECTS ALUMINIUM MOULDINGS

The Seratone Effects range of aluminium mouldings is suitable for use with both Seratone Oxides and Seratone Silverseal panels. All the aluminium mouldings are for 4.75 mm thick panels and come in 2700 mm lengths.

MOULDINGS COLOURS
Seratone Effects aluminium mouldings are available from stock in the Seratone Silverseal colours only. Colour matched Seratone Oxides mouldings are available for large orders on request.

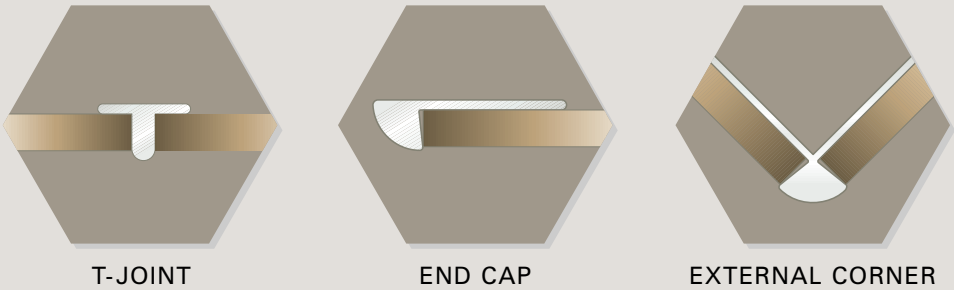
STANDARD JOINTERS
The standard range requires a low to medium level of installer expertise.

PROFESSIONAL JOINTERS (DRY AREAS)
The professional range is suitable for experienced installers/fabricators with access to specialist tools (eg router). The internal corner shown in the Standard range, can also be used in conjunction with the Professional range.

standard jointers



professional jointers



seratone silverseal colours



seratone™ oxides™ colours



SPECIAL COLOURS: Seratone Oxides are available in special colours by request. Lead time and a 50 sheet minimum run size applies. Note: A premium will be charged. Contact FWP Customer Services or your distributor for details.

panel sizes			
SERATONE OXIDES			
SERATONE SILVERSEAL			CLASSICS ONLY
	2400 x 1200 x 4.75 mm	2700 x 1200 x 4.75 mm	2400 x 900 x 4.75 mm