TiO2 Titanium White® Trim Boards

Important Facts about TiO2 Titanium White

Well Managed Source Of Substrate

- Blocks and Cutstock S.A., SA-COC-002109, which is the single source substrate supplier for TiO2 Titanium White, has attained chain of custody status under the Forest Stewardship Council (FSC®), Sustainable Forest Management Certification for its operation in Conception, Chile.
- Consistent source of supply with back-up raw material available.

FSC www.fsc.org FSC® C017684 The mark of responsible forestry

What are the advantages to this Substrate?

- 100% defect-free Chilean Radiata Pine that is kiln dried to an average 10% to 12% moisture content.
- Clear wood fiber that is carefully finger-jointed and edge-glued for dimensional stability.
- Top quality Emulsion Polymer Isocyanate (EPI) adhesive provides superior long-term bonding.
- All 16' lengths... never shorter

How is it Coated?

- Once the wood has fully acclimated to the factory finishing environment, the moisture content of the raw boards are checked.
- The raw substrate is then modified with a permanent penetrating oil waterproofing and anti-fungal process that will not leach out over time.
- Two coats of a quality 100% acrylic zero VOC finish are then expertly applied in the finishing factory.
- The expertly applied coating application process yields an aesthetic quality ideal for interior use and the technical performance and durability for prolonged exterior use – one board, one sku, and one solution.
- TiO2 is reversible – product is produced with the intention of either side being used, no back stamps, no rack mars, no imperfections.
- Exacting standards require that every 16' finished board is examined under specialized lighting to minimize the chance of even the smallest defect leaving the factory.

Why is an oil primer and latex top coat system better than two coats of latex or two coats of oil?

- Water never touches the raw wood - no grain raising or grain swelling delivers better long-term adhesion.
- The TiO2 coating system provides genuine long-term protection for the substrate - oil primers by themselves, do not.

Why is TiO2 better than other trim products?

- TiO2 is a long lasting true exterior system versus multiple coats of primer that are not designed to withstand the elements without a topcoat.
- TiO2 is technically durable enough to be used on the exterior and beautiful enough to use on the interior.
- TiO2 is 100% FSC certified substrate coated in an FSC approved facility.
- No plastic slip sheets between board layers to dispose of.
- TiO2 has a proven track record with millions of trouble-free board feet installed in the field since the product was introduced.
- 25-year limited warranty against fungal decay*
- 10-year limited warranty on the coating process*

* See warranty copy for details

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Facts

- Single source FSC®-certified mill
- All 100% defect-free plantation grown Radiata Pine kiln dried to 10 to 12% moisture content
- Water never touches the raw wood - no grain rising or grain swelling means better long-term coating adhesion
- No VOC 100% acrylic topcoat
- Durable enough for exterior use, beautiful enough to feature on the interior
- Available in 100% 16' lengths, 4/4" and 5/4" thickness
- Carefully packaged and protected to ensure clean, dry material

Unit Specifics

H	W	L	Pieces	BF
1.00	x 3	x 16	204	816
1.00	x 4	x 16	156	832
1.00	x 5	x 16	120	800
1.00	x 6	x 16	96	768
1.00	x 8	x 16	72	768
1.00	x 10	x 16	60	800
1.00	x 12	x 16	48	768
1.25	x 4	x 16	117	780
1.25	x 5	x 16	90	750
1.25	x 6	x 16	72	720
1.25	x 8	x 16	54	720
1.25	x 10	x 16	45	750
1.25	x 12	x 16	36	720

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TiO2 Titanium White Handling, Installation, and Maintenace Tips

Must be kept dry at all times prior to installation

Keep TiO2 Titanium White® elevated at least 6" off the ground with a vapor barrier underneath the product and a loose waterproof cover over the finish boards that allows adequate air circulation. Avoid storage in direct sun.

Do not use TiO2 for the following:

- Do not use TiO2 for structural purposes including any use where a load is carried other than the weight of the board itself.
- Do not use TiO2 for siding, fences, decking, railing, gutters, planters, trellises, or any other use outside of the common design specifications for trim board applications.
- Do not attach TiO2 to pressure-treated wood, whether it is coated or uncoated.
- Do not allow the product to be in direct contact with the ground.
- Do not backfill or place sod, mulch, etc., closer than 8 inches to product.
- Do not place TiO2 in direct contact with concrete, masonry, patios, porches, and/or roofs.
- Do not install where water sprinklers can regularly wet the product.
- Do not install in a manner to allow water to be entrapped behind the product.
- Do not use caulking sealant as a substitute for flashing.
- Do not install with moisture content over 15%, or paint over wet or dirty product.
- Do not install directly over rigid foam insulation. Instead, use furring strips to create an air space and a high quality building wrap directly against foam insulation.
- Do not assume your installation crew knows how to correctly install the product.
- Do not recess or countersink nails but rather leave them flush with the surface of the substrate when installing, taking care not to break the surface of the film with either the nail head, hammer or pneumatic gun.

Do adhere to the following when handling, installing and maintaining TiO2:

- Do adhere to all above handling, installation and maintenance instructions.
- Do follow the local building code requirements.
- Do follow the highest building industry construction standards.
- Do install to create easy drainage planes to shed possible water accumulations.
- Do be aware of potential sources of moisture penetration, including condensation, around the building, and modify design to avoid exposure.
- Do re-coat all surfaces exposed by jobsite field cuts during installation with Z-Life™ Endcuts from Ze-VO Products Group, LLC, available at many lumberyards. Call us for assistance at 800-458-5775.
- Do paint the boards after installation and within 10 years of installation.
- If waiting several years to repaint after installation, ensure that all joints, nail heads, and other construction-related exposures are properly sealed and coated at the time of installation.
- Do re-paint and maintain in accordance with the paint manufacturers written label instructions.
- Do make sure your installer knows how to properly install TiO2.
- Do nail the substrate flush with the surface of the board taking great care not to break the surface to leave the nail recessed in any way.

Field Applied Topcoats

TiO2 Titanium White® should be installed to above instructions. It is highly advisable to topcoat as soon as possible however; TiO2 Titanium White® may be left uncoated for up to ten years. Always follow paint manufacturer's suggested application guidelines when selecting a field applied topcoat.

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Facts

- TiO2 Titanium White should always be kept in a dry location and allowed to reach equalibrium prior to installation
- Install over exterior sheathing and a weather resistive barrier such as Typar®
- For best results when installing TiO2 Titanium White, use stainless steel or hot dipped galvanized nails
- Nails should be driven an 1-1/2" or more through dry sheathing and framing lumber but flush to the surface
- Re-coat all cut end and rip cuts to reduce moisture penetration
- For best results, brush apply two coats of high quality, exterior 100% acrylic color paint as soon as possible