

- Dense Hardwood Veneers Face and Back
- B Staged GranitePly™ MDO Overlay Technology
- Two-Step Calibrated Thickness
- Thicknesses Available in 1/2" Through 1-1/8"
- Panel dimensions available in 4'x8', 5'x7', 5'x8'
- Third Party Control per Timber Products Inspection

### Product Description:

Nova's GranitePly™ MDO is a medium density overlaid plywood with good surface durability for matt concrete finishes. GranitePly™ MDO has a high number of uses and it produces a smooth matt finish with minimal grain transfer throughout its pour life.

### Panel Construction/Moisture Resistance:

Nova GranitePly™ MDO is constructed of proprietary, single ply, medium-density overlay on hardwood faced plywood with Eucalyptus inner plys. It is produced with a two-step calibrated thickness layup, and is constructed using a Water Boiled Proof (WPB) adhesive. All Nova products are overlaid in the USA.

### Working Faces/Treatment:

- Nova GranitePly™ MDO is available with one or two working faces. Panels with a single working do not have a paper overlay on the backside.
- Gloss level of concrete surface: matt
- Wood grain transfer to concrete surface: slight
- Wood defect transfer to concrete: minimal—no football patches
- Sugaring: none
- Maintenance: very little

### Working Edges/Treatment:

- Factory sawn and sealed with special gray, styrene acrylic sealer
- Seal all exposed wood (edges and holes) with Edge Flex 645 by NoxCrete, Olympic Form Seal by Willamette Valley Co. or equivalent to prevent concrete staining from the wood sugars

### Structural/Load Performance Summary

Nova GranitePly™ MDO are performance based panels. Design limitations are synthesized from test results of product tested in accordance with PS 1 / PS 2 criteria at an independent ISO certified laboratory. All plywood provided by Nova Forest Products have an established Third-Party Auditor program at the mill with audits performed on a quarterly basis. This ensures consistent quality and performance for all Nova supplied products.

### Typical Pour Ranges:

- Engineered systems: Not Recommended
- Gang forms: Not Recommended
- Job built: up to 8 pours
- Pour ranges are not guaranteed because the number of pours will vary due to jobsite handling and panel maintenance, vertical or horizontal use, form release agent, concrete mix design/strength, alkalinity, pour rate and other factors

### Release Coating:

- Release agent: not factory treated
- Coating required: light before first and each subsequent pour
- Recommended release agent: Nox-Crete Formcoat or equivalent. Avoid release agents containing fuel oils, recycled oils or solvents.

With its dense hardwood faces, Nova's GranitePly™ MDO panel gives a smooth flat finish. The unique combination of veneers gives the panel both strength and durability. Nova's overlaid panels are produced in Ocala, FL in our 110,000 ft<sup>2</sup> facility.

### Limitations:

Do not exceed design limitations imposed by the load span table. Conform to concrete form design procedures based on American Concrete Institute (ACI) standard 347-04. Release agents are required.

### Thicknesses & Sizes:

Nova GranitePly™ MDO is available in 1/2", 5/8", 3/4" & 1-1/8". Standard panel sizes are 4' x 8', 5' x 7', 5' x 8'. Properties shown apply to 8' Nova GranitePly™ MDO only. Non- standard thicknesses, widths and lengths meeting volume requirements are available.

### Technical Data Applicable Standards

All panels are manufactured by Nova Forest Products per product standard PS1-09.

Panel Tolerances	3/8" to 3/4"	1" & Greater
Thickness Tolerance	+/- 1/32" (.031")	+/- 5%
Length & Width Tolerance	+0, -1/16" (.062")	+0, -1/16" (.062")
Squareness	1/16" (.062")	1/16" (.062")
Straightness	1/16" (.062")	1/16" (.062")

Note: All tolerances and specifications apply at the time of manufacture.

Note: Product averages vary for individual thicknesses.

### Standard Packaging:

Thickness	Nova GranitePly™ MDO 1 Face, MDO Back Average Weight* lbs./SF	Nova GranitePly™ MDO 2 Face, MDO Back Average Weight* lbs./SF	Pieces per Unit
1/2"	1.665	1.740	75
5/8"	1.960	1.990	60
23/32"	2.243	2.347	50
3/4"	2.340	2.444	50

\*Average product weights may vary +/- 10%

### Product Grade

Standard product is shipped on grade only.

**Stress and Load Span Tables** These stress and load span tables simulate actual wet form conditions.

**Stress Tables:** Tables 1 & 2 herein are derived from performance based testing done in accordance with Voluntary Product Standards PS 1-09 / PS 2-10 criteria.

LOAD SPAN TABLES – WET CONDITIONS								
Recommended Maximum PSF								
Face Grain <i>Perpendicular</i> to Supports								
Support Spacing	Plywood Thickness – Allowable Pressure (PSF)							
	1/2"		5/8"		23/32"		3/4"	
(In.)	ℓ/360	ℓ/270	ℓ/360	ℓ/270	ℓ/360	ℓ/270	ℓ/360	ℓ/270
8"	1305	1305	1654	1654	1853	1853	1853	1853
12"	430	574	629	839	922	1147	922	1147
16"	183	244	286	381	429	572	429	572
19.2"	105	140	169	226	257	343	257	343
24"				117	135	180	135	180
Face Grain <i>Parallel</i> to Supports								
Support Spacing	Plywood Thickness – Allowable Pressure (PSF)							
	1/2"		5/8"		23/32"		3/4"	
(In.)	ℓ/360	ℓ/270	ℓ/360	ℓ/270	ℓ/360	ℓ/270	ℓ/360	ℓ/270
8"	739	865	726	889	1409	1409	1409	1409
12"	208	277	226	301	577	769	577	769
16"		112		127	247	329	247	329
19.2"					176	234	176	234
24"						120		120

**Form Panel Thickness:** For more detailed design information, refer to American Concrete Institute publication "Formwork for Concrete."

**Edge Support:**

In high moisture/sustained load conditions, edges may have a greater deflection than the panel center and may exceed calculated deflection.

**Suitability for Use and Warranty**

Contact the sales office for a copy of the complete Nova Terms and Conditions of Sale.

**Warehouse Storage and Handling**

- Panels should be kept under cover and in a well-ventilated environment
- Avoid temperature and moisture extremes. Panels should be allowed to equalize to job site conditions for 24 hours or more before use
- Caution should be taken to avoid having panels contact with the ground

**Jobsite Care and Handling**

1. Product preparation: Nova’s MDO panels are not factory release coated. Lightly coat panels prior to first use and each subsequent use with Nox-crete RA #10 or equivalent agent.
2. Concrete pouring and Vibrating methods: Rate of pour shall be calculated to ensure that it is within panel pressure design limits. The use of rubber tipped vibrators is recommended to reduce damage to the panels from the vibrator tip.
3. Storage and edge sealing— to get maximum life out of the panels, it is recommended that they be cleaned after each use. Exposed cut edges should be resealed with several coats an appropriate sealer. When not in use, panels should be stored outside of direct sunlight.
4. Surface Repairs: Damaged panels caused from general construction conditions can be repaired using appropriate two-part products such as W.R. Meadows Rezi-Weld. Panels should be cleaned prior to application of the gel. Once dry sand the repaired area using a 120-grit sandpaper.

Specifications subject to change without notice.



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