

I-Tech

Armor Plate



No matter your exterior non-skid flooring needs, I-Tech Armor Plate and I-Tech Armor Plated Structural Decking will work on a wide variety of applications where slip resistance is needed. Whether you're covering or resurfacing decks, boardwalks, bridges, docks or stages, Innovative Panel Technologies' exclusive I-Tech Armor Plate can be matched to any of our existing products to deliver non-skid properties necessary in wet or dry conditions along with a range of other attributes to meet your specific application and setting. For new construction, use Armor Plated Structural Decking in place of lumber for a complete non-skid weather proof exterior flooring solution!

I-Tech Armor Plate combines an aluminum composite panel (ACP) to a high performance Acrylonitrile Styrene Acrylate (ASA) laminate with an exclusive slip resistant finish. The ACP substrate as well as the ASA laminate are proven materials used for a wide variety of exterior applications. A polyethylene backer sheet can be added on panels being installed over preservative-treated lumber.

I-Tech Armor Plated Structural Decking combines our Armor Plate with a preservative treated plywood core and an ACP backer to create a composite panel with superior structural characteristics. Rugged, long-lasting and attractive, these panels are available in a range of colors, sizes and attributes tailored to your specific application.

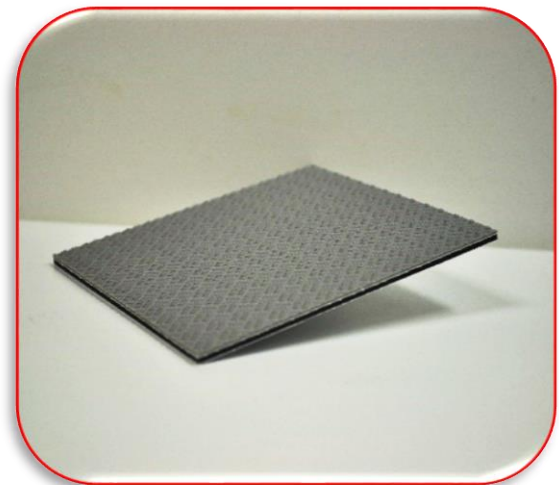
Both I-Tech Armor Plate and Armor Plated Structural Decking exceed OSHA (Occupational Health & Safety Administration) recommendations and ADAAG (Americans with Disabilities Act Accessibility Guidelines) standards. OSHA recommends for flat surfaces a minimum Coefficient of Friction (COF) of 0.6. I-Tech Armor Plate and Armor Plated Structural Decking achieved a COF of 0.80 in testing per ASTM C1028-89, F609-79. I-Tech Armor Plate and I-Tech Armor Plated Structural Decking also meet the ADAAG COF standard for use in ramps which is 0.80. Surfaces are also available for either panel that offer excellent slip resistance even while the surface is wet.

Like all I-Tech materials, I-Tech Armor Plate and I-Tech Armor Plated Structural Decking provide a superior wear surface, feature a 100% moisture barrier that is impervious to most chemicals with the added benefit of providing a surface that will retain its color and characteristics for years to come in your exterior applications.

Innovative Panel Technologies can provide the guidance, assistance and experience you need in selecting the appropriate panel for your specific application. Issues related to wear, surfaces that will be covered, useful life and maintenance can and should be discussed in meeting your requirements and needs precisely.



Quadriple is one of the non-skid textures available.



I-Tech Armor Plate is great for covering or resurfacing a variety of exterior surfaces.

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ASA Coefficient of Friction Chart to Test Procedures – ASTM C1028-89, F609-79

Gauge	Surface	COF	Dry/Wet
0.050	Quadripple	0.80	Dry
0.030	Cracked Ice	0.88	Dry
0.050	Quadripple	0.79	Wet
0.030	Cracked Ice	0.58	Wet

The ADA has determined the standards to be .60 COF for walking surfaces and a .80 COF for ramps or inclines.

The OSHA recommendation COF for floors is .50

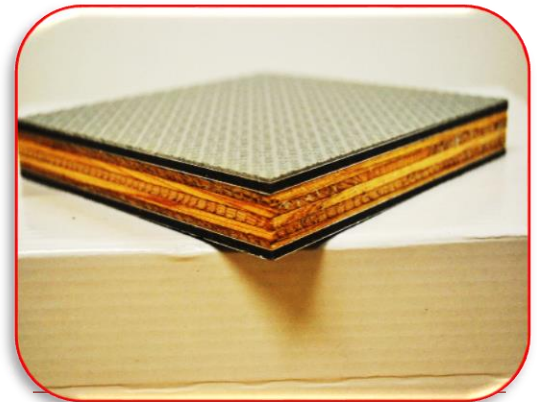
Flexural Strength Chart to Test Procedure – ASTM D790 Flexural Strength Test

Specimin	Width (b)	Thick. (d)	Slope* (lbf/in)	Ultimate Load (lbf)	E _B ** (psi)	σ _F ** (psi)
Untreated plywood with poly overlay	2.997"	0.795"	463.17	404.9	818,769	7,054
I-Tech Armor Plated Structural Decking	2.945"	0.820"	618.1	498.4	1,013,307	8,305

****NOTE: I-Tech Armor Plate and I-Tech Armor Plated Structural Decking is available with a polyethylene backer sheet for panels being installed over preservative-treated lumber**

Why IPT?

- **Experience is the difference.** With hundreds of installations across dozens of industries and applications, Innovative Panel Technologies wields uncommon expertise in meeting the demands of any panel-related project.
- **Tailored solutions.** IPT delivers tailored products designed expressly to meet your project needs. Elements like span requirements, fire retardant ratings, weight, wear, surface texture, tolerances, strength and longevity are all a part of the panel solution we develop on your behalf.
- **Budget parameters.** With so many material solutions available to IPT we can meet most any budget with precisely the right material for the application. You'll find our wide range of panel options and purchasing strength provides substantial cost benefits over comparable products.
- **Free design services.** You won't pay more for IPT's expertise. That's why IPT customers keep coming back. IPT works hand-and-glove with your project to design precisely the right product for your application...all at no additional cost to you.
- **Shipping always at net cost.** IPT mitigates your shipping costs by charging their net cost to ship to you. Our net cost shipping policy is your assurance you're getting the best buy on IPT products.



I-Tech Armor Plated Decking is a complete non-skid weather proof exterior flooring solution.

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