



STEEL EDGE CRETEPLANK



ROOF DECK & FLOOR SYSTEMS



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What is Steel Edge Creteplank?

Steel Edge Creteplank is made from concrete and galvanized steel which form a basic structural unit. Lightweight aerated concrete is integrally cast into galvanized edgings of tongue and groove contours on all four sides of the finished plank. Cement and inert cellular aggregate proportioned, mixed and cured under rigidly controlled conditions produce a lightweight, nailable, insulating concrete of great versatility.

Firmly interlocked upon erection, the precision formed steel edges act as I-beam sections fully supported laterally by concrete. The resulting composite beam action provides superior longitudinal reinforcement in a 2" thick plank. Galvanized steel wire mat provides integral transverse reinforcement.

Product Benefits

- **Versatility:** Adaptable to virtually any structural frame
- **Strength & Durability:** Incredibly strong due to steel tongue and groove reinforcement
- **Diaphragm Strength:** Complies with ASTM E455
- **Non-Combustible:** Complies with ASTM E136

Consider Steel Edge Creteplank for:

Multi-Unit Residential • Slate or Clay Tile Roofs • Hostile Environments • Remote Locations • Old Gyp Plank Replacement



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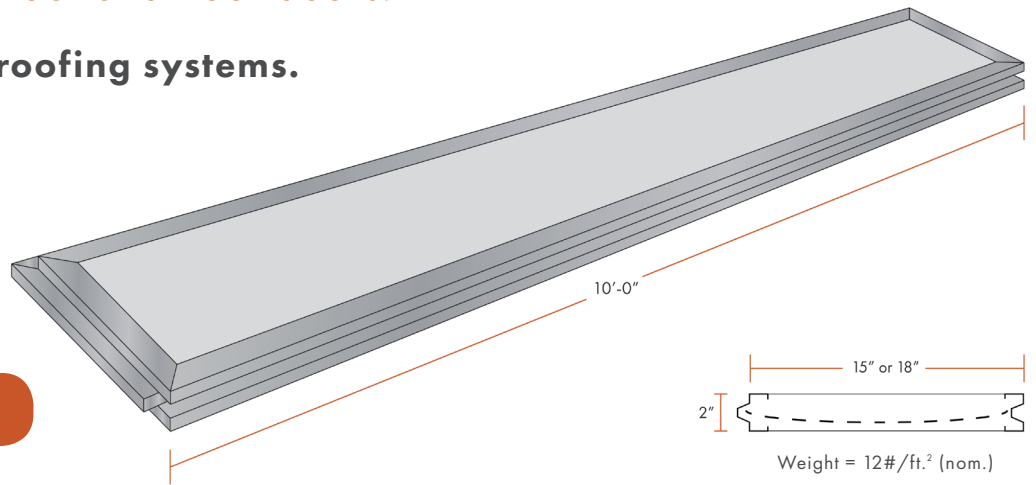
Concrete Plank. For roof and floor decks.

Compatible with most roofing systems.

Lightweight, spans up to 8'0"

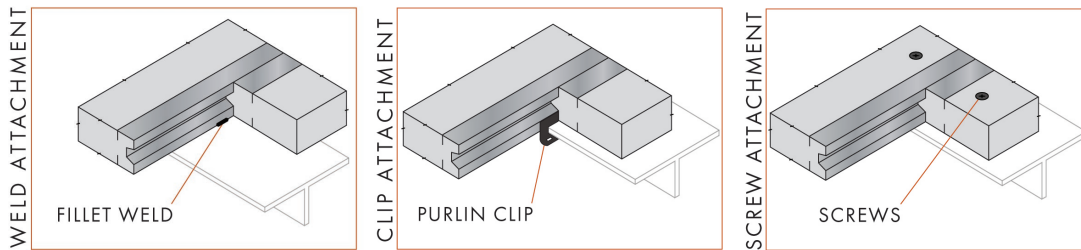
Nailable & Drillable

Saws & Handles Easily



Coverage: 12.5 SF / Plank

Attachment Details:



Design Loads:

Center to Center Span	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
15" Wide Panels	267	175	126	96	-
18" Wide Panels	356	225	154	111	84

Design Floor Loads Support systems for Steel Edge Creteplank floors should be limited to 5'-0" spans to avoid excessive bounce. Weld the steel groove edge of the plank to supports for all floor applications. A wearing surface or floor topping is required for all floor applications. If your design requires spacing in excess of 5'-0" on center or for specific loading information please contact the Martin Fireproofing / IMETCO Engineering Team.

Designer Notes & Recommendations Structural steel specifications should include provision for framing of all openings in the deck greater than 12" in either direction or where steel edges must be cut for any reason, such as at hips and valleys, ridges and rake ends. Provision should be made for thrust resistance at eaves. Bearing surfaces of all structural supports must be kept clear of bridging bolt heads and all other obstructions which will interfere with level bearing of planks. For roof deck applications, 15" wide Steel Edge Creteplank is limited to spans of 7'-0" or less. Steel Edge Creteplank roof decks do not require grouting or mastic treatment of their joints.





Since 1930, Martin Fireproofing has delivered only the highest quality products to the building design community. Now an integral part of IMETCO, the dedicated staff of service representatives, engineering support and management will continue its growth through product innovation, superior products and the highest level of service.

IMETCO is a leading manufacturer of premier metal products for the building envelope, delivering performance-inspired systems tailored to every project. IMETCO offers a full range of high-performance metal roofing, wall, and edge systems and accessories that provide a virtually limitless realm of aesthetic possibilities.

Driven by a collective desire to provide exceptional service at every opportunity, IMETCO pledges to **communicate**, **promise** and **deliver** innovative solutions, dedicated support, professional engineering services, and products manufactured to the highest quality standards.

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