



## 1. PRODUCT DESCRIPTION

Patented **RHINO TRED**<sup>®</sup> replaces the need to build with costly concrete filled steel pan or loud checker plate stairs.

Stairwell painting and clean-up can happen before the final installation of **RHINO TRED**<sup>®</sup>.

Pre-engineered for steel or wood stringers up to 6 ft in width. **RHINO TREDS**<sup>®</sup> are built with a patented lightweight honeycomb core design, using a UHPC 10,500psi concrete. 48" treads weigh 34lbs, a 70% weight reduction vs standard precast treads.

## 2. ADVANTAGES

- Up to 70% lighter than other pre-cast concrete stair treads.
- 5x faster to install than traditional pan filled stairs.
- 2x the compressive strength of other concrete stair treads.
- Offers a low-noise upgrade from metal checker plate stair systems.
- Allows full use of metal fabricated stairs during construction.
- Honeycomb core supports 100% of the concrete tread, tread is supported by sub-pan.
- Embedded sand and epoxy finish provide a "pool deck" slip resistant long wearing tread.
- Mounts directly to metal stairs and wood stringer sub-pan.
- Exclusive Safe-T-Nose<sup>®</sup> nosing with 1-inch Photo-Glo photoluminescent strips options.

## 3. TECHNICAL

Compressive Strength: UHPC 10,500psi concrete

Nominal Height: 1 1/2-inches

Depth: 11 5/8-inches

Width: Up to 72 inches

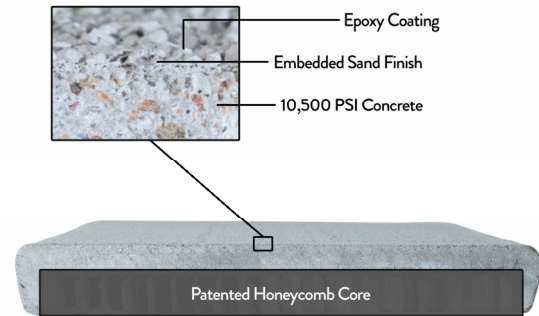
Weight: 8.8 pounds per square foot

Finish: Embedded sand and epoxy finish (custom colors available)

### STAIR STRUCTURE MUST CONFORM TO THE FOLLOWING I.B.C.

#### CODE: IBC Code: Table 1607.1

- 100pfs – uniform load (4.8kM/m<sup>2</sup>)
- 300 lbf – concentrated load (1.33kN) 4 sq. inch area (2581 square mm)



## 4. METAL STAIR APPLICATION

**RHINO TRED**<sup>®</sup> is installed directly to flat metal riser surface.

**CONTACT MANUFACTURER FOR RECOMMENDED ADHESIVE**

## 5. SELECT MODEL

**NRT** - Our basic concrete tread with embedded sand and an epoxy finish. Natural Finish



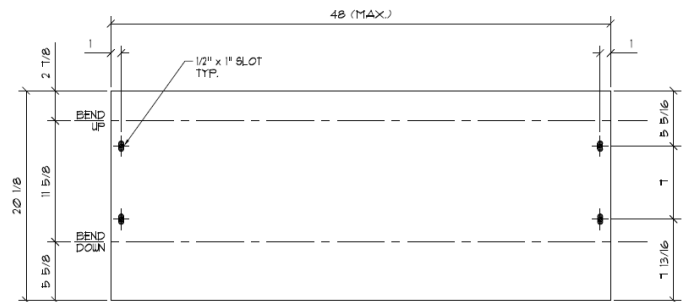
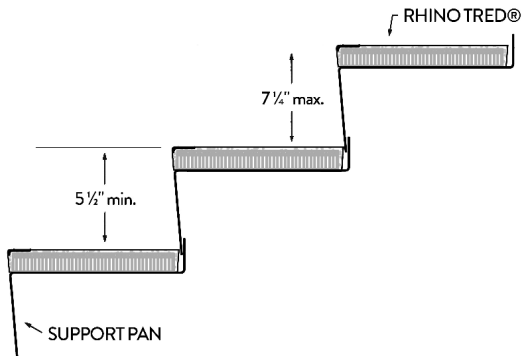
### PRE-ENGINEERED UNIVERSAL STEEL PAN OPTION

Install **RHINO TRED**<sup>®</sup> NRT-Pan using steel clips or wood stringer. Closed riser available in 10, 12, 14-gauge sub-pan to fit riser heights between 5-1/2" and 7-1/4". Available in G90 galvanized steel for exterior use.





## Lightweight Stair Tread



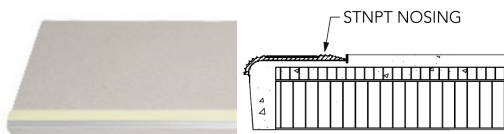
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STEEL SUB-TREAD FLAT PATTERN  
14 GA. STEEL SHEET

**TO MEET LUMINOUS EGRESS CODE REQUIREMENTS, OPTIONS BY SAFE-T-NOSE® MAY BE FACTORY INSTALLED.**

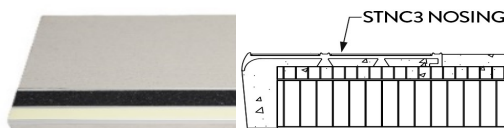
### Model NRTSTNPT

Safe-T-Nose® Adhesive 1 1/2" or 2" aluminum nosing with 1" Photo-Glo photoluminescent strip.



### Model NRTSTNC3

Safe-T-Nose® embedded 3" anodized aluminum nosing with 1" Photo-Glo photoluminescent strip and 1 1/2" black traction strip



## 7. INSTALLATION

RHINO TRED® is installed directly to flat metal riser surface using the manufacturer's recommended adhesive. Installed prior to building turn-over to assure a new clean tread.

Materials are directly shipped from the National Redi-Tread factory to the installer or project.

**NOTE: Installation of RHINO TRED® should begin from top of risers to prevent stepping on treads during curing process**

## 8. STORAGE & PROTECTION

Store RHINO TRED® factory separated, above ground level and under weatherproof cover. Protect from weather, damage, and contamination prior to installation process.

## 9. RHINO TRED® Warranty

RHINO TRED® patented lightweight concrete stair treads include a limited warranty guaranteeing against defects in material and workmanship. Improper installation, use, abuse, or neglect will invalidate the limited warranty. Contact manufacturer for additional information on warranty conditions, duration, and remedies.