



**Overview:**

Stair treads and nosings are designed for years of safe stairs. Proper installation of the stair treads and nosings is critical to the products' performance. The following are general instructions for installing, maintaining and cleaning stair treads and nosings. These are recommended general guidelines only. Locally accepted installation practices and procedures should be followed to ensure a safe stairway system that meets all local code requirements, including OSHA, ADA and IBC.

**Set Up/Unpack/Preparation:**

Verify that all products listed on the packaging slip are included in the package. Check the products for damage. If products are damaged, report a freight claim immediately and leave the products in their packaging. If you sign for products without reporting damage, you waive the right to a freight claim and will be responsible for replacement cost.

Read the instructions thoroughly before beginning installation.

**Installation Guidelines for new concrete or steel pan concrete filled stairs:**

Anti-slip metal safety stair nosings are designed to be fully embedded in the substrate (most often concrete or cement) which will provide total support for the stair nosing.

Any voids left between the underside of the metal stair nosing and the substrate will allow flexing of the stair nosing itself. It is vital that the installer tamp down the stair nosing to totally seat it into the substrate and fully rest upon any riser return such as in pan-filled steps.

This action will prevent the occurrence of hollows and voids which can lead to flexing and cantilevering of the nosing.

Pour the concrete. Place the stair nosings into position in the concrete. Tamp the safety nosings to insure proper concrete formation around the anchors on the underside.

Metal stair nosing placement may be difficult in concrete with a very low slump (mass). Be certain the

concrete mix is of the proper consistency, not too dry, not too wet.

The use of very large aggregate in the concrete mix may make installation of the safety Nosings difficult.

#### **Installation of Two Part Stair Treads and Nosings:**

1. Schedule installation of the nosing frames to occur when the stairs are poured. The nosing frames must be installed before concrete or cement sets.
2. Mix concrete. Avoid using large aggregate and take care to ensure the concrete is the proper consistency.
3. Pour and puddle the concrete. Place the safety nosing into position, ensuring that the leading edge is placed flush with the edge of the stair and that the nosing is level. Take care to ensure the front of the nosing is facing the front of the stair. If the frame is installed backwards, the top of the nosing will not fit properly. Ensure that the concrete is filled in around the continuous aluminum anchor.
4. Tamp down the nosing to ensure it is properly seated in the substrate. Any voids left between the nosing and the substrate will cause flexing, which in turn will cause the nosing to fail.
5. Allow the concrete to set. Do not walk on the nosings for 24 hours. Do not put excessive weight on the nosings for five days.
6. When you are ready to install the tops of the nosings, remove the particle board filler from the nosing frames.
7. Screw down the tread tops with screws provided.

#### **Repair Kits Available:**

Repair kits can be provided for small areas that have been damaged or abused.

Repair kits are for aesthetic purposes and do not offer the same stability of treads manufactured at our facility.

Repair kits are shipped with 3 components:

- Abrasive in any of our standard colors
- Epoxy Hardener
- Epoxy Resin.



#### **Maintenance:**

Keep stair treads and nosings free of debris and dirt by sweeping or vacuuming regularly. Heavy-duty commercial cleaners will not harm nosings, but are generally not necessary. If nosings are damaged, please contact the factory for a repair kit or replacement nosings.

**Cleaning:**

Treads should be swept with a broom or vacuumed with a heavy-duty commercial vacuum cleaner at least once a week.

When needed, scrub surface vigorously with a stiff bristled brush using a mild detergent, do not use any product containing solvents, such as Acetone. It will break down the abrasive adhesive. We suggest using Murphy's Oil Soap<sup>®</sup> or Simple Green<sup>®</sup>. Rinse thoroughly with water after cleaning.

Scuff marks on the aluminum nose can be removed by rubbing with a fine steel wool and a commercial cleaning agent.

To remove snow and ice, use Sodium Chloride salt.

**PHOTO LUMINESCENT**

- A. Exposure requirements:
  - a. The minimum amount of exposure to direct sunlight is 60 minutes.
  - b. The minimum amount of exposure to artificial ambient illumination is 60 minutes from the following:
    - i. Fluorescent straight tube T8 or T12, 4000 - 4500 K color temperature
    - ii. Incandescent soft white 2700 - 3000 K color temperature
    - iii. LED 2700 - 3000 K color temperature
- B. The control of the ambient illumination necessary to charge the luminous egress-path-marking system should be restricted to authorized personnel only.
- C. Failure to supply the above minimum exposure can prevent the luminous egress-path-marking from performing as intended.
- D. No specific building surface treatment is required for the luminous egress-path-marking system to function properly.
- E. Installation instructions are consistent with the entire product line of Nystrom stair nosings. No special instructions are required.
- F. Maintenance instructions are consistent with the entire product line of Nystrom stair nosings. No special maintenance is required.
- G. Yearly inspections should be performed on luminous egress-path-marking system to ensure the system is functioning properly.
- H. Cleaning instructions are consistent with the entire product line of Nystrom stair nosings. No special cleaning instructions required.

If any questions arise during the operation or maintenance of the products, please feel free to call our toll-free number for assistance, 1-800-547-2635.