

## FLAT SHEET

### SAFETY:

When installing Dino Grip Flat Sheets we recommend that PPE (personal protective equipment) be worn. Cutting the Flat Sheet If you need to cut the Flat Sheet to size during your installation, we recommend that a suitable dust mask with protective safety goggles and gloves are worn. The Flat Sheet should be cut outside or in well-ventilated areas. If using a circular saw or angle grinder, use a standard carbon or diamond blade when cutting them to size. Dust residue can be disposed of using normal waste disposal methods. No special permissions or licenses are required. Installation of Flat Sheet During the installation of the Flat Sheet we recommend that safety gloves and glasses are worn while screwing the sheets into place.

### PREPARATION:

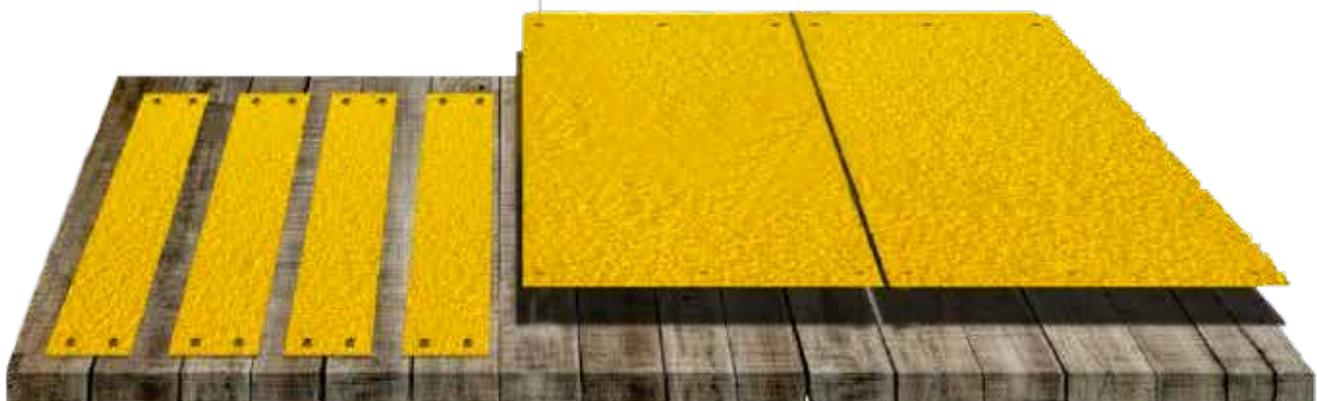
Dino Grip recommends that the surface is firstly swept and cleaned ensuring that the surface is suitable to receive the Flat Sheet.

### INSTALLATION

Wooden Surfaces Lay the Flat Sheet upon the surface and then use a 6mm masonry drill bit to drill the top of the gritted surface in the desired fixing locations. We would recommend that there are approximately 20 fixings per Flat Sheet; however this would depend on the usage and installation location. Once the pilot holes have been drilled to then screw into position using the flanged stainless steel screws. Additional adhesive can be used (if require) to add extra grip to the bottom of the Flat Sheet; adhesive can be purchased on our website.



DinoGrip uses **star head screws** specifically so they don't round off, resulting in a better quality finish.

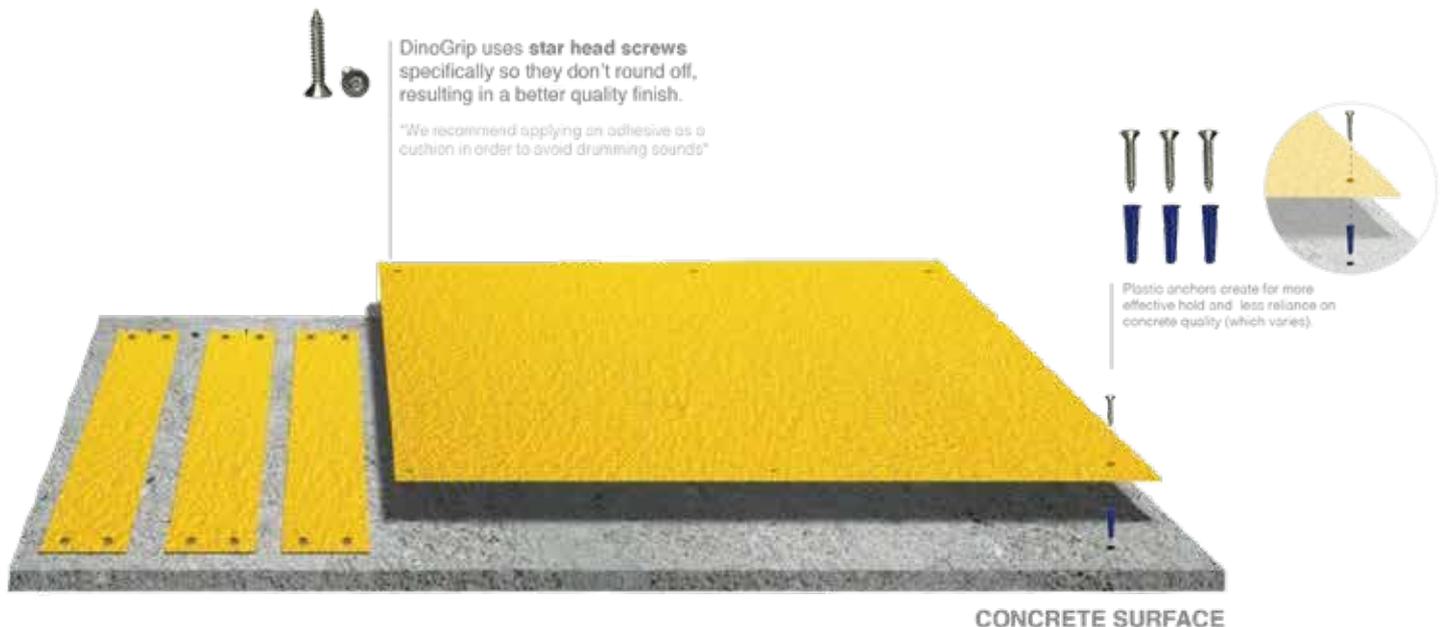


WOODEN SURFACE



# INSTALLATION GUIDE

**Concrete Surfaces** Lay the Flat Sheet upon the surface use a 7/32" (6 mm) masonry drill bit to drill the top of the gritted surface and into the underlying concrete sub-base only in the desired fixing locations. We recommend approximately 20 screws per Flat Sheet; however this would depend on the usage and installation location. Remove the Flat Sheet and re-drill the concrete fixing points with an 5/16" (8 mm) masonry drill bit. Place plastic anchors into the holes in the concrete surface and set the Flat Sheet into place and screw into position using the flanged stainless steel screws. Additional adhesive can be used (if required) to add extra grip to the underneath of the Flat Sheet. Additional Adhesive While mechanical fixings are all that is required to secure the Flat Sheet, wherever possible, the application of an appropriate high strength gap filling adhesive will provide the following benefits: A secondary fixing in the event that the mechanical fixings should fail. A barrier against the "drumming" noise that is created when fitting over the existing substrate. Apply a 1/4" (6 mm) bead of high strength gap-filling adhesive around the periphery of the Flat Sheet and in horizontal stripes at approximately 7.9" centers. Immediately press the Flat Sheet firmly to the substrate to ensure adequate transfer of adhesive. Secure with the screws or rivets and allow the adhesive sealant to cure before allowing excessive traffic to use the areas. A firm bond will be achieved in about one hour under normal conditions.



## RECOMMENDED MECHANICAL FIXINGS

Recommended fixings  
Over Timber No 20 x 4.8mm x 38mm – Flanged Stainless Steel Screws  
Over Steel Plate No 20 x 20mm Flanged headed rivets  
Over Concrete No 20 x Brown Raw Plugs (or equivalent) No 20 x 4.8mm x 38mm – Flanged Stainless Steel Screws  
Over Open Mesh Stainless steel or zinc plated saddle clips and domed head bolts suitable in length for the depth of the existing treads.

## CLEANING GUIDE AND TIPS

Flat Sheets are extremely resilient to dirt and contaminants. It will require minimal maintenance. Dry dirt and debris can easily be removed using a stiff brush and should be carried out on a regular basis. If the Flat Sheets have been subjected to spillages or the dirt has become embedded, detergents can be used. It is always advisable to test any cleaning product on the Flat Sheets before starting the cleaning procedure. Using the detergent, warm water and a stiff bristle brush; scrub the affected areas until clean. The excess water can be removed using a wet/dry vacuum cleaner or power washer. Where circumstances allow, the Flat Sheets can be power washed without causing harm. Care should be taken when the Flat Sheet has been stuck down and / or edge is sealed, as very high pressure power washing or repeated power washing could cause damage to sealants and adhesives.

GENERAL



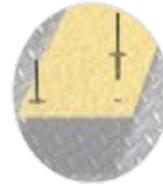
# INSTALLATION GUIDE

**Metal Surfaces** Lay the Flat Sheet on the surface and then use a 7/32" (6 mm) masonry drill bit to drill the top of the gritted surface only in the desired fixing locations. We recommend that there are 20 screws/rivets per sheet. Change the drill bit to a 13/64" (5 mm) metal drill bit. Use drilling compound, and then proceed to drill the metal surface under the Flat Sheet – the Flat Sheet can be kept into position during this process as you have already pre-drilled the Flat Sheet. Place rivet into hole and use a rivet gun to fix into position. Please ensure that all rivets have been compressed. Additional adhesive can be used (if required) to add extra grip to the bottom of the Flat Sheet.



Metal surfaces require rivet screws.

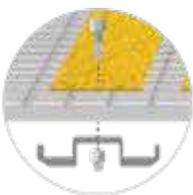
"We recommend applying an adhesive as a cushion in order to avoid drumming sounds"



METAL SURFACE

## ROUTINE MAINTENANCE

The security of the mechanical anchors / adhesives should be checked on a regular basis. Circumstances will vary, based upon the volume of foot traffic, etc. but, as a guide, monthly inspections are advised in high traffic areas.



DinoGrip uses **Self Tapper Screws** for grated flooring with Saddle Clip Assembly featured here...



METAL GRATE SURFACE