



GRADUS
contract interior solutions

GRADUS XT STAIRNOSING

SINGLE POINT LESSON FOR: The Installation of XT Products

1) Adhesive Bonding of GRADUS XT Stairnosings * (insert pre fitted)

SURFACE PREPARATION:

Substrate must be clean, dry free from dust, dirt, grease or grit. All old surfaces should be clean to ensure sufficient bonding. To achieve a good clean surface, the substrate can be sanded, grit blasted or solvent wiped as required. The stair nosing should also be free of any contamination or deformities. Allow at least 30 minutes of drying after solvent wiping.

APPLICATION:

Maxisil Maxigrab is the recommended adhesive for this application. The nozzle should be cut to 10 mm in diameter.

XTA1, XTA2 and XTA5

1. Run a bead of the adhesive to fill the recesses of the underside of the stair nosing.
2. Run a bead of adhesive on the tread of the substrate in a zig zag manner and spread the adhesive with trowel or scraper ensuring >95% even coverage.
3. Press nosings into place ensuring sufficient coverage of the adhesive and wetting of both surfaces and achieve minimum 1.2 mm final bed thickness.
4. Mechanical fixing is not normally required but provision should be made to ensure the nosing is not moved during the initial set period (no less than 4-hours) If movement occurs the final bond strength will be reduced.
5. The adhesive should be allowed to cure for 6 – 16 hours under normal circumstances prior to accepting traffic.

XTA3, XTA4

1. Run a bead of adhesive on the tread of the substrate in a zig zag manner and spread the adhesive with trowel or scraper, ensure > 95% coverage.
2. Press nosings into place ensuring sufficient coverage of the adhesive and wetting of both surfaces and achieve minimum 1.2 mm final bed thickness.
3. Mechanical fixing is not normally required but provision should be made to ensure the nosing is not moved during the initial set period (no less than 4-hours) If movement occurs the final bond strength will be reduced.
4. The adhesive should be allowed to cure for 6 – 16 hours under normal circumstances.

CAUTION:

1. Do not apply the adhesive in temperatures below 10 deg C and above 40 deg C.
2. In excessively dry conditions spray a light mist of water just before bringing the surfaces together.
3. Allow at least 4-hours of initial setting time.
4. Under temperature conditions lower than 10 deg C, allow 48 hours of curing time.
5. The final thickness of the adhesive should not be less than 1.2 mm.
6. If the substrate is non-porous light mist of water or longer curing times maybe required.

2) Mechanical and Adhesive Installation of GRADUS XT Stairnosings *(insert not fitted)

1. Obtain the profile and insert supplied. The double sided tape has already been fitted into the profile and the insert pre cut to length.
2. Two fixing holes have been pre drilled. Mark the positions out on the step and drill into substrate:
 - a) For Concrete use a 6mm Concrete Drill bit and insert rawl plugs (6mm) as supplied.
 - b) For Timber use a drill bit of smaller diameter than screws supplied (8 x1)
 - c) For Steel - rivet as specified.
3. Apply the adhesive (Maxisil Maxigrab 210ml) as supplied to the rear of the profile ensuring a full spread of adhesive is applied to the concrete or timber substrate. A notched spatula or similar is recommended. Note it is imperative for a secure bond the substrate surface is level and clean (free of any surface contamination) prior to application and sufficient adhesive is applied to bond both surfaces. In excessively porous floors priming is recommended.

Detailed instructions on adhesive use and fitting in Schedule 2 (refer overleaf)

4. Adhesive application rates as a guideline are as follows:

XTA1 – 9 meters per MS Safe fix 430grm	6.5 meters per Maxisil Maxigrab 290ml
XTA2 – 8.5 meters per MS Safe fix 430grm	6 meters per Maxisil Maxigrab 290ml
XTA3 – 11 meters per MS Safe fix 430grm	8 meters per Maxisil Maxigrab 290ml
XTA4 – 11 meters per MS Safe fix 430grm	8 meters per Maxisil Maxigrab 290ml
XTA5 - 9 meters per MS Safe fix 430grm	6.5 meters per Maxisil Maxigrab 290ml
5. Place the profile (without insert fitted) and the wet adhesive onto the stair edge and secure the profile with the screws supplied into the pre drilled holes (refer Point 2) **If screws are not being fitted to the adhesive will require a minimum of 16 hours (@20C) to cure sufficiently to allow safe use of the steps by foot traffic.**
6. Peel off the backing tape and carefully feed the insert into the recess, using your fingers, to ensure the insert is fully located correctly.
7. Using a hand roller to apply pressure to the full length of the insert and channel.

For further installation advice contact.

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