

SPECIFICATION SHEET NO	DESCRIPTION	DATE
IG82	GRADUS WGS200F WALL GUARD	FEB 2026

## INSTALLATION GUIDE

### Preambles:

All wall protection should be installed after all painting has been completed.

A mock-up room is recommended prior to commencement of the project to ensure profiles are installed according to Polysales installation guidelines.

Material must be installed in environmentally controlled conditions.

Identify your substrate (cement, brick, drywall as there are different installation methods and materials for each.

Identify the paint applied to your substrate as this may impact on the adhesive to be used.

When installing onto an aluminium substrate, use a Polysales approved contact adhesive.

When installing onto drywall, prime the surface with paint primer and then install with a Polysales approved contact adhesive or Den Braven's Hi Tack.

Recommended installation height: Top of profile at 900mm. (Project dependant).

1. Using an alignment laser, position the pre-drilled aluminium clips against the wall at the desired height, aligning the v-notch on the centreline of the clips with the laser level. Allow 25mm clearance for each end cap and an additional 25mm clearance so that the end caps can be fitted and removed when placed near an architrave or wall. For internal corners, where closely positioned endcaps would reduce the clearance between them too much, it is necessary to reduce the retainer length a further 15mm.

2. Where an end cap is to be fitted, use a 6.0mm drill bit to drill 2 holes in the fixing clip using the high and low v-notches of the clip at 10mm from each end. Arrange successive clips at a spacing of approximately 500mm 'clip to clip' and mark the locations of the fixing holes on the wall. Please be aware that this spacing can vary depending on the evenness of the wall/substrate and it is therefore imperative to allow for extra brackets where there are deviations in the wall. This will allow you to pull the profile in tightly against the wall to prevent any gaps which can harbour contamination. When positioning successive clips, the joints of the bumper section must join over the middle of a clip. Allow a minimum of two brackets at each join to ensure a tightly butted joint. Both ends of any butted PVC-u cover joints must also be located on a clip. Drill all holes to the correct depth with a drill bit suitable for the screws and wall plug fixings being used (not supplied).

3. Loosely fit all the clips using the top hole of each clip. Check alignment of the centreline of all the clips with the laser level. If there is no need to correct the hole positions, insert remaining screws and fasten them down hard.

4. Take a measure of the distance between the outside edges of 2 end clips, minus up to 5mm, as a measure of the bumper section. Make an allowance for any overlap on the clip with any other section of bumper. Cut the bumper to the adjusted length making sure that they are cut such that the butted joints of bumper will not align with any joins in the PVC-u cover. Joints of bumper and PVC-u cover should be staggered and not join on the same clip. Align the top edge of the bumper onto the top edge of the support leg on each of the clips and snap the bumper into place.

5. Before fitting the end caps, measure the distance between the outside edges of 2 end fixing clips and add 5mm in total as the cut length for the PVC-u cover.

6. Fit the endcaps onto the end retainer clips and secure using the appropriate screws and plugs, 2 per end cap.



7. Cut the PVC-u cover as per point 5, taking care to ensure that the cuts are both square and clean. Loosely position the PVC-u cover on the aluminium retainer clips to check the fit length, adjusting if necessary. Hook the top edge of the PVC-u cover over the top edge of the retainer while butting the PVC-u cover up against one of the reveals. Press the base of the PVC-u cover downwards towards the base of the aluminium retainer until it snaps into place. Approximately 300mm from the second reveal fold the end of the PVC-u cover inwards towards the reveal/endcap so that there is a compressive force on the PVC-u cover against both endcaps/reveals to keep everything flush when the final section is snapped into place. If the length required is over 4 metres, clip one PVC-u cover on entirely and then butt join subsequent PVC-u cover pieces ensuring the ends are cut square to allow for a tight join. To finish the run, follow the procedure above for fitting the final piece. The length of the PVC-u cover sections in any one

run should be planned in order that the final piece is not too short and close to the end cap both for aesthetics and ease of fitting. Wherever possible try and even out the lengths of the PVC- u cover (i.e., for a 4.5 metre length consider using a 2m and a 2.5m length instead of a 4m & 0.5m length) whilst ensuring that joints are minimised and staggered (as per point 4).

#### Fitters Tips:

The PVC-u cover may try and compress under the pressure of the saw blade during the cutting process.

This can be reduced by cutting very slowly and by supporting the profile with a piece of wood to prevent any bending or bowing.

When deciding the position of the fixing clips, the contours/deviations of the wall should be followed as closely as possible to ensure the tightest fit to the wall as possible.

Where two profile pieces join, always use a minimum of two brackets.

Install corner guards before wall any other profiles to ensure a neat finish on external corners.

If required, apply clear silicone to the top and bottom of the profile to close any gaps.

If paint touch ups are required after wall protection installation, ensure wall protection is protected.

If wall protection suffers paint damage, contact Polysales.

#### MAINTENANCE:

A regular scheduled maintenance programme should be employed to prevent the build-up of dirt and grease, which will detract from the overall appearance of the product and can lead to the spread of germs and bacteria.

Apply a neutral cleaner to a micro fibre cloth and wipe the surface of the profile. When cleaning handrails, particular attention should be paid to the underside of the handrail as this is where dirt and grease can build up.

The cleaned surface should then be 'rinse wiped' using clean water and then thoroughly dried using a soft cloth. This ensures all cleaning residue is removed.

Abrasive cleaners, solvents, or cleaning pads (e.g., Thinners, Turpentine, Handy Andy) should NOT be used as they will damage the profile surface.