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What is Advantage® Adhesion Plus?

A single component solvent free repair system to provide extra support around fixings and reinforcing degraded surfaces before coating, without the need of primer in most cases. It includes added Graphene for exceptional corrosion resistance using a moisture cured hybrid coating that is easily recoated. It provides excellent corrosion resistance, UV and mechanical protection while working with the thermal movement required from temperature changes that are experienced throughout the year.

Why choose Advantage Adhesion Plus

- ✓ Includes Graphene for exceptional corrosion resistance
- ✓ Damp tolerant during application
- ✓ Solvent, Isocyanate and VOC free
- ✓ Easy re-coating
- ✓ Impact resistant
- ✓ Applied in a single coat
- ✓ No shrinkage on curing
- ✓ Provides minimal trafficking of roof during application
- ✓ Microporous to allow substrate to breathe
- ✓ Can be applied at temperatures between 3°C and 60°C
- ✓ Flexible coating with elongation, to cope with thermal movement
- ✓ Long term reliability due to excellent adhesion and UV resistance
- ✓ Minimum weight gain after application
- ✓ High weather and UV resistance for this one coat system
- ✓ UK underwritten insurance



✓ **Supporting Waterproofing & Repair Coating Systems:**
30 & 20 Year Metal Roofs,
15 Year Gutters, 15 & 10 Year
Cut Edge Corrosion, 20 Year
Asbestos, 15 Year Clear+
Roof Lights

✓ **Full UK Underwritten Insurance** (subject to contractor status)

✓ **Superior Contractor Support Every Step of the Way!**

✓ **Contractor Training & CPDs**



In Liquid Form

Feature:	Result:
Specific Weight:	1.4
Application Temperature:	3°C to 60°C
Light Traffic Time:	Next Day
Skin Time @ 20°C / 65% RH:	2 - 4 Hours
Volume Solids:	100%
VOC:	0 g/Lt - VOC Free
Flash Point:	n/a
Viscosity:	14200/5350

In Cured Form

Feature:	Result:
Overcoatable:	Yes, with itself, as well as Advantage® 20 and Advantage® Graphene top coats
Finish:	Sheen
UV Resistance:	Excellent
Wet / Dry Film Thickness:	500 µm
Service Temperature:	-40°C to 80°C

General Information

Feature:	Result:
Shelf Life:	12 months minimum in unopened tins, stored in a cool dry place out of direct sunlight
Coverage:	3m² per 1L
Pack Sizes:	5 Litres
Form:	Viscous coloured liquid
Colour:	Goosewing grey
Thinners / Brush Wash:	Flushing thinners - not containing water or white spirit

Components

- Advantage® Adhesion Plus: 5L Tins
- Advantage® Sealant: 290ml Tube
- Advantage® OptiSeal Sealing Primer: 5L Kit Part A & Part B
- Advantage® Graphene Primer: 2.5L Tins





Recommended For

Extra support around fixings and reinforcing degraded surfaces. Protection of Galvanised Steel, Cast Iron, Bitumen, Asbestos and Fibre Cement, Rubber and other membranes.



Preparation

- **Inspection:** Before starting any work, ensure the substrate is structurally sound and stable.
- **Preparation:** Remove all loose matter such as moss, lichen or other debris. Some previous coatings must be removed, please speak to our technical department for more information.

Adhesion Test

- If there is uncertainty about adhesion you **must** make an adhesion test, please contact our technical department for advice.

Cleaning

- **Metal:** Clean and dry surface thoroughly to ST2 standard, you will find this easier with a rotary cleaning head. All oil, grease and dirt must be removed prior to application. Then using a wire brush remove rust and foreign matter. Apply by brush or roller, one coat of Advantage® Graphene Primer to all prepared corroded surfaces, and prepared lap ends at a band width of 30 to 50mm, or to cover the width of the corrosion present.
- **Asbestos:** Asbestos gutters should be cleaned in line with HSE Guidelines on working with asbestos. Note that Alltimes Coatings are not able to provide advice or guidance on handling asbestos.
- **Bitumen & Membranes:** On sound previously applied bitumen, apply one coat of Advantage® OptiSeal at a coverage of approx 10m² per 1L to avoid bleed. Some previous coatings will need to be removed, contact our technical department for more details. For other substrates such as EPDM, single-ply, aluminium, GRP or concrete, adhesion tests may be required.
- **Joints & Fixings:** Apply Advantage® Graphene Primer to the cleaned surface of any corroded areas. Apply Alltimes Advantage® Sealant to all joints and tool immediately wet on wet by brushing with Advantage® Adhesion Plus to avoid creating a ridge, ensure all joint bolts are encapsulated.



Advantage® Adhesion Plus - Application Guide (Cont'd.)

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Priming

- **Metal:** If any excessive corrosion is present. Brush or roller apply one coat of Advantage® Graphene Primer to the cleaned surface of any corroded substrate.
- **Asbestos: (Optional)** The Optiseal primer comes as a 2 part solution which is mixed 2 parts base to 1 part activator by volume. Final mix gives approx. 10m² per 1L.
- **Concrete:** Primer is not normally required but if Bitumen has been used for repairs. Apply one coat of Advantage® OptiSeal to a sound clean surface at a coverage of 10m² per 1L.
- **Membranes:** An adhesion test is required to ascertain whether and which primer to use.
- **Joints & Fixings:** Apply Alltimes Advantage® Sealant to all joints and tool immediately wet on wet by brushing Advantage® Adhesion Plus to at least 25mm either side of the joint and over the sealant, ensuring all joint bolts are encapsulated. Top coat must be applied over the sealant within 8 hours.

Application

- Apply one coat of Advantage® Adhesion Plus by brush or roller at a coverage of 3m² per 1L. Pay particular attention to fixings to ensure they are fully encapsulated.
- **This coating cannot be sprayed.**



Handy Hint:

Mark up the recommended area and apply one tin to get an indication of how the finished coat will look and how well it spreads on your roof, before applying the rest of the tins as different substrates will have different porosities.

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No responsibility can be taken by the manufacturers where conditions of use are beyond our control. All products should be used in accordance with the manufacturer's instructions. For further information please refer to the application guide and Material Safety Data Sheet. This information and guidance is given in good faith and without prejudice and liability. Technical and Safety Data must be observed. All coverages are given as a guide only, as volumes will vary with profile, porosity and method of application. Loss factors should also be taken into account.