

**New generation
single pack
waterborne
wash primer**

ACTAN[®]GS
ADHESION PRIMER

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What it is

ACTAN[®]GS is a long-term adhesion primer for use on newly, partially or fully weathered galvanized steel, aluminum, copper, bronze and stainless steel.

What it does

ACTAN[®]GS will perfectly bond with hot-dip or electro-galvanised steel, aluminum, copper, brass, stainless steel. It will form on the surface a film which is hard, flexible, impact resistant and non-porous.

Where to use

Conventional paints adhere poorly to hot-dip galvanized surfaces.

ACTAN[®]GS is recommended for industrial maintenance and marine painting, structural steelwork, touch up work on coil coated surfaces and vehicle maintenance and repair work

MAIN PROPERTIES

COLOR	Non hiding (NH) and grey (GS400)
ODOR	Odour-free
VOC	0%
COVERAGE	15-18 m ² /litre
DRYING TIME	2 hours
APPLICATION temperature	5°C - 30°C
SHELF-LIFE	Min. 12 months

Indications for use

1. Surface preparation:

Remove dirt, grease, oil and ensure surface is clean and dry.

Remove white rust by abrading the surface and wash-off salts with fresh water



2. Application:

Apply by brush without dilution.

Air spray nozzle orifice:
1.3-1.5mm

Nozzle pressure: 3-4 bar
Typical dry film thickness:
DFT 25 microns

Application conditions
Outdoor/indoor
Temperature 5-35°C
Humidity <80%



3. Paint systems :

All types of solvent based paints can be applied on top of **ACTAN[®]GS**.

Alkyd paints are not recommended for protecting zinc surfaces.



Dry-to-touch:15'

Dry-to-handle:30'

Dry-to-recoat: ambient T°

5-10°C : 24 hours

10-15°C: 4 hours

15-20°C: 3 hours

20-35°C: 2 hours

SINGLE PACK WASH PRIMER

1 Easy application

- Only one coat required
- Coating thickness not critical for adhesion
- No physical or chemical profiling required when applied on new galvanized steel
- Single pack: no pot life or catalysation
- High coverage: 15-18 m² per litre
- Can be applied from 5°C to 30°C

2 Quick drying and smooth finish

- Touch dry: 15 minutes
- Early rain resistance after +/- 2 h.
- Overcoatable after only 2 hours at 20°C
- Excellent wet adhesion
- Smooth and even finish for ideal topcoat adhesion

3 Excellent bond

- To zinc coated and galvanized steel, aluminum, copper, brass, stainless steel, glass and ceramics

4 Safe to use

- Water based – VOC free
- Environmentally friendly
- Free of heavy metals and mineral acids
- Non-irritant and odour-free
- Long shelf-life (1 year)
- 40 years experience

Why ACTAN®GS?

The usual polyvinyl butyral / phosphoric acid based wash primers and the modified short oil alkyd or epoxy ester primers do not normally ensure the expected adhesion improvement they offer on steel and other non ferrous metals.

The technical reasons for these failures are well known:

- residual acidity in the cured film in the case of wash primers
- detrimental effect on adhesion of the zinc soaps formed by the presence of free fatty acids in alkyd primers.

T-wash or mordant solution is unsuitable where partial weathering has occurred.

Sweep blasting can damage irreparably the galvanized layer on vulnerable edges and corners.

ACTAN®GS can be sprayed or brushed without further dilution and forms on drying a hard, flexible and non porous film which adheres perfectly to the surface.

Galvanized steel



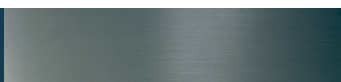
Aluminum



Copper



Stainless steel



Glass



Ceramics



ACTAN[®]GS

ADHESION PRIMER



Our Expertise. Your products.

Conventional paints adhere poorly to hot-dip galvanized surfaces. A conversion coat is necessary to ensure good adhesion of the paint and long term protection of the steel.

ACTAN[®]GS can be sprayed or brushed without further dilution and forms on drying a hard, flexible and non porous film which adheres perfectly to the surface.

Upon request we can supply tailor-made formulas of our wash primers.

Our services include retail-ready packaging (from 500ml to 60l) with your own labels.

PUGH & CO INTERNATIONAL,
founded in 1947, is a privately-owned company for production and service to industry, operating in three divisions working on base of ISO 9001 quality management system. We produce innovative surface treatments for metal protection since more than 40 years.

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