

GOLDSEAL GROUP

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SPECIFICATION / TECHNICAL DATA SHEET

GOLDSEAL CSI: BRUSH GRADE COMPOUND

Description: CSI stands for Continuous Substrate Interaction. The Brush Grade compound is a support product formulated for Cold Application by brush to rectify damage on previously coated Goldseal applications.

Brush Grade is also appropriate for small jobs to coat welding maintenance or structural additions. The formulation is penetrating and lubricating for bolts inserted through timber, adjusters and bottle screws or bridge bearing maintenance.

Substrates: Requires minimal hand preparation for application to sound previous coatings and oxidised steel. Has applications to Aluminium and Spalling Concrete drop off and exposed rebar

Preparation: Grit or soda blasting is not required.

1. Remove scale and loose coatings, by hand tool cleaning to ISO 8504:1992 to ST2 (SSPC:SP2 or AS1627.7) using scrapers, air tools or needle guns. On pipe and rods de-scale with a chainwrap.

Alternatively clean the whole structure using low pressure water jetting to WJ4 (or higher if heavy scale is present).The resulting surface will be sound previous coatings or de-scaled rust coloured steel.
2. If the surface has been prepared dry, remove all dust and foreign matter by air gun or Brush (benign environments only).
3. Where structures are near marine, geothermal areas or chemical processes ,the surface must be neutralised by high volume washing or the use of a neutralising solution. Allow the surface to dry.
4. Coating in chemical and marine areas must be undertaken before surface re-contamination. This is often achieved by preparing and coating in sections in one work shift.

Application:

1. Available from Licensed applicators.(see website for area license holders)
2. Large gaps or cracks in timber or between 2 structural elements can be filled with a trowel using the cold compound.
3. Crevice corrosion should be chipped out as clean as possible and the crevice filled level with cold compound.

If Flange corrosion cannot be fully chipped out, then apply thinned Goldseal Coldspray as a penetrating primer. Leave for 24 hours and re-apply if necessary. Finally fill the flange to level with Cold Brush Grade Compound.

4. Apply Cold Compound by glove to steel cable, bracing rods or fire sprinkler systems after cleaning and de-scaling.
5. For Bridge deck replacement apply cold compound to beam horizontals under damp proof membrane after de-scaling. Fill pits to a level surface.

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6. Apply by brush. At temperature below 10 Deg C the compound will be firm and cutting the brush bristles shorter will aid application
7. Apply in a wave pattern, working the compound into the substrate. Fill all steel to concrete, concrete to wood and steel to wood joint voids, neatly overlap onto the adjacent substrate. For rod hangers and steel threads apply by hand using an industrial glove.
8. Apply two layers in one application to 300-350 microns WFT at air temperatures from zero to 45 degrees Celsius.
9. On outer surfaces exposed to wind , rain and sun (e.g . on external fittings, increase the film build to 600 microns)

Recoating Goldseal:

1. Prior to recoating Goldsea , remove all localised corrosion cells , rough or dry flake manually or by water jetting at an appropriate pressure.
2. Clean all surfaces to a sound base and allow to dry.
3. Fill any spot corrosion depressions with hot or cold compound (direct to rust coloured steel).
4. Brush coat the surface in one single application to 300-350 microns.
5. Neatly overlap onto adjacent wood, steel or concrete substrates to create a moisture or corrosion proof seal.

Coverage: Goldseal Brush Grade will cover approx 2.0 m2 per litre at 300-350 microns on an uneven surface.

Thinning: Not required for application but can be eased by any petroleum spirit by powered stirring.

Coating Damage: Simple hand touch up by Cold Brush Grade .

Cleanup : Wipe off any surfaces, with a soft cloth and petroleum spirit or white spirit , ensuring the cleaning solvent is compatible with the surface.

Spills: Goldseal Brush Grade will float on water without contamination. Is not likely to spill as packaged.

Colours: Commonly Industrial Red, but limited colours in earth tones are available.

Goldseal is not a paint and cannot be matched to industry standard colours.

Packaging and Storage: Goldseal CSI has unlimited shelf life and is not damaged by heat or water contamination. The product is packaged as a 97% solid with no solvents or catalysts required for application.

It is rated NON Dangerous goods for transport , storage and application.

Availability : Through Licensed Applicators

Technical Support: rustproofservices@goldseal.co.nz www.goldsealrustproofing.com