

PROTEGA CLAD CEP

DESCRIPTION

A unique single pack, elastomeric, combined narrow gap filler and primer/finish, specifically formulated for the repair and protection of architectural cladding cut edges and lap joints.

PRODUCT FEATURES AND RECOMMENDED USES

- Tough, durable finish with exceptional elongation characteristics to accommodate dimensional changes, combined with outstanding resistance to mechanical damage.
- Combined shallow gap filler (up to 1mm) and protective coating with excellent anti-corrosive properties.
- Use in combination with ProtegaClad LJF gunning filler for gaps >1mm.
- Good colour and sheen retention.
- Indefinite recoatability with self, ProtegaClad 50 & ProtegaClad M50. This means that repair areas can be completely blended-in with adjacent coated areas, and that algal growth and dirt-pick up on repaired areas will be minimised by smooth topcoat.
- Polyurethane and Polysiloxane free.
- Low temperature curing and good climatic tolerance.
- Easy application properties, even under cold conditions, by brush or roller.
- Outstanding adhesion to steel, galvanising, bond coats, Plastisol, polyesters, PVF2, Silicone Polyester and most other cladding substrates.
- Movement Accommodation Factor: $\pm 30\%$.
- Lap Shear Strength: 20.5 mpa's/2,940 psi.
- Ultimate Elongation: 400%.
- Adhesive Strength: 34.6 mpa's/4,950 psi.
- EPA Compliant.

TECHNICAL DATA

Volume solids 98 \pm 2% (ISO 3233) (see Product Notes).

Weight solids 91 \pm 2% (see Product Notes).

Specific gravity 1.35 – 1.40.

Product code 2888 156

Pot life See Product Notes.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
100 μm	102 μm	9.8 m ² /l
1000 μm	1020 μm	0.98 m ² /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

DFT 350 μm and RH 40% min.		+5°C	+10°C	+23°C	+35°C
Dust Free		8 h	4 h	2 h	1 h
Hard Dry		24 h	12 h	6 h	3 h
Overcoating*	min	24 h	12 h	6 h	3 h
	max	Indefinite if clean and sound			

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish Semi-gloss

Colours Grey (approx. 10A05).

PROTEGA CLAD CEP

APPLICATION DETAILS

Surface preparation	Surfaces should be clean, dry and free from all grease, oil and general contamination. Degrease where necessary to SSPC-SP1 solvent cleaning to remove contamination. Prepare steel substrate to Swedish Standard St2 minimum, avoiding 'polishing' of surfaces when using power tools. All failed coating must be removed to a firm edge. Thoroughly prepare and clean overlap or cut edge. Remove any residual moisture from within the overlap.
Application conditions	Only apply in conditions of good ventilation, which must be maintained during curing. Do not apply when rain, mist, sleet, or snow are imminent. During application and drying time of the filler, the surface must be dry and the ambient temperature should be a minimum of 5°C, with the Relative Humidity below 85%. The surface temperature of steel should remain at least 3°C above the dew point. Minimum Relative Humidity of 40% is required to effect curing.
Application	Application to edges: apply liberally by brush or roller, overlapping edges and undersides. Use masking techniques as required. Sealing of lap joints: Apply liberally into lap joint void and to all exposed, prepared metal surfaces. For gaps wider than 1mm, first apply ProtegaClad LJF gunning filler and overcoat with ProtegaClad CEP. Encapsulate the overlap detail by a minimum of 2.5cm either side of top and bottom sheets. Use masking techniques as required.
Thinner	Not applicable.
Cleaning of equipment	1031 Thinner.
FLASH POINT	Above 56°C.
STORAGE	Store in dry, cool conditions and protect from frost.
VOC	Volatile Organic Compound content: 137 ± 20 gm/ltr (see Product Notes).
HEALTH AND SAFETY	Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Protega Coatings Ltd.
PRODUCT NOTES	The product cures by reaction with atmospheric moisture. Seal containers with supplied Polypropylene overlay and lid when not in use. Where possible use within the working day. Avoid ingress of moisture or product may gel. To avoid waste do not open containers until immediately prior to using. *Overcoating: refers to overcoating with itself, ProtegaClad 50 or ProtegaClad M50. Please refer to Protega Coatings for individual systems advice. Volume Solids & Weight Solids: this material contains a small amount of volatile components, but in practice, the majority of these are usually retained long-term within the applied film.