



Moisture Tolerant Multi-Purpose High Build Epoxy

CORRO-DUR™ 450

CORRO-DUR™ 450 is a 2-parts high build epoxy for metal repair and resurfacing based on solvent-free epoxy reinforced with metal filler.

CORRO DUR™ 450 has excellent chemical resistance against a wide range of chemicals and excellent bonding to various substrate including stainless steel, carbon steel, aluminum, brass copper and other rigid surfaces.

CORRO DUR™ 450 is easy to mix and apply without the need of the specialized tools and can be machined using conventional tools. It can be applied and cured above and underwater.



TECHNICAL DATA

Mixing ratio	5:1 by weight
Pot life	Approx. 25 -30 minutes at 25°C (77°F)
Dry time (dust free)	4 hours at 25°C (77°F)
Full cure time	24 hours at 25°C (77°F)
Glass Transition Temperature (Tg)	66°C
Compressive Strength (ASTM D695)	94,894 kPa (13,763 psi)
Lap Shear Strength (ASTM D1002)	21,283 kPa (3,087 psi)

CURING SCHEDULE

Surface temperature @50% RH	Cure time (Light service)	Cure time (Full cure)
25°C (77°F)	4 Hours	24 Hours
35°C (95°F)	2 Hours	12 Hours
45°C (113°F)	1 Hours	6 Hours
55°C (131°F)	0.5 Hours	3 Hours
65°C (149°F)	0.25 Hours	1.5 Hours



Versatile



Easy and simple
application



100% solids

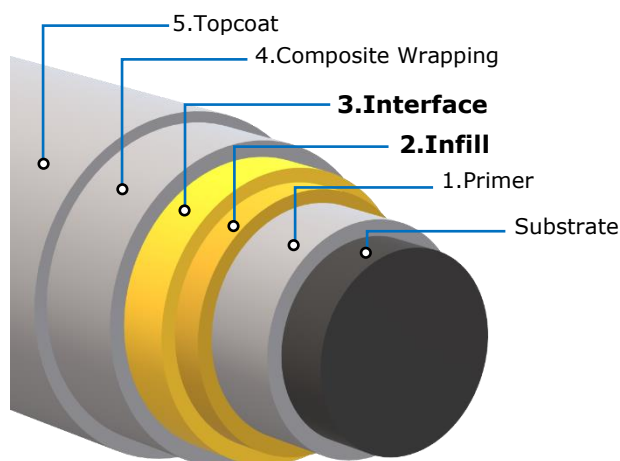


Odour free

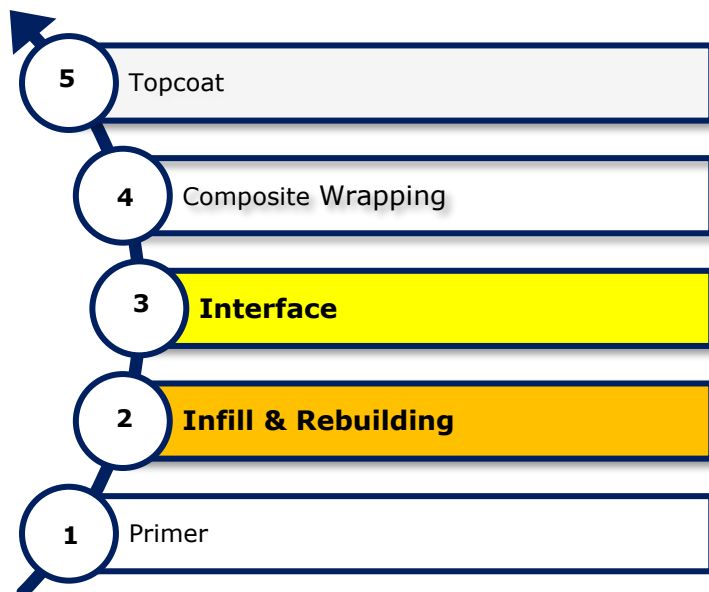


High
performance

APPLICATION



Corro-Dur™ 450 can be used as **Infill/Rebuilding** and **Interface Agent** for **Composite Wrapping**



KEY BENEFITS

Versatility

- Bond strongly to wide range of substrate and can be applied and will cure even underwater

100% solids

- No shrinkage, contraction or expansion during curing

Simple application

- Easy to mix 5:1 ratio by weight and can be easily applied by using natural bristle brushes or spreaders

Short curing period

- Relatively fast full cure (24 hours at 25°C) for quick turnaround and can be expedited by post curing



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