

## Rail Range RW High Build Epoxy Primer Finish

**PRODUCT CODE:** RWIP120 2K Primer Finish.

### PRODUCT DESCRIPTION.

Air dry 2 pack Solvent based full epoxy Low VOC Primer finish for steel, aluminium and Galvanised substrates. Specially developed for use within the Rail Industry on vehicles and civils and for the heavy engineering industry. Available as a Matt, Semi-Gloss and Full Gloss finish, in Black, and a range of BS and RAL colours.

### PERFORMANCE.

Applied as a single coat or 2 coat application and can be overcoated with itself and other Indestructible Paint finishes, epoxy and polyurethanes.

RWIP120 is part of a family of coatings developed by Indestructible Paint. This family of coatings is manufactured from a high grade 2-part epoxy system initially procured for use in aerospace applications. Indestructible subsequently take this resin binder system to manufacture a range of low VOC coatings intended for Rail, Industrial, Transport and Architectural applications. These coatings are ideally suited for use on chassis parts, fluid or air receivers, control enclosures, support structures, etc. The composition of the epoxy and its chemical bonding allow use on a range of substrates including ferrous and non-ferrous metallics and a wide range of composites. The cured coating is a tough chemically resilient finish that has been tested against a variety of corporate and national standards.

**After 7 days air curing or force curing for 30 minutes at 125°C, the coating will pass:**

- **Heat resistance:** 48 hours at 204°C (400°F)
- **Heat resistance:** 100 hours at 180°C (356°F)
- **Hot oil immersion:** 8 hours in ASTM Fluid 101 (ASTM D 471) at 177°C (350°F) showing no peeling or softening
- **Hot lube oil immersion:** 100 hours at 150°C (302°F)
- **Fuel resistance:** immersion in ASTM ref fuel B for 4 hours at room temperature without peeling or softening
- **Fuel resistance:** room temperature immersion 100 hours
- **Corrosion resistance:** after exposure to heat (48 hours at 400°F) cross scratched X withstands 350 hours salt spray ASTM B117

- **Heat Salt Fog Resistant to 10 cycles:** each cycle, 4 hours at 250°C (300°F) then 20 hours salt fog
- **Resistant to temperatures** down to -50°C

**APPLICATION.**

According to user's instructions, Conventional and Airless Spray, Brush and Roller.

Steel: blast or abrade to Sa 2.5; clean and degrease.

Aluminium: mechanically abrade / "Sweep blast".

New Galvanised: Solvent degrease / Old Galvanised; clean and mechanical abrade or "Sweep" blast.

Apply below 90% humidity or if surface is 3C above dew point.

**PHYSICAL PROPERTIES.**

Mixing Ratio		3:1 parts by volume with RWIPCAT-01 (standard dry)
		5:1 parts by volume with RWIPCAT-S (fast dry)
Thinner		RWIP42000
Supply Viscosity		Ready for use
Colour		Black / Range of BS and RAL colours.
Gloss Level		Matt, Semi-Gloss and Gloss.
Film Thickness		40-200 microns (use dependant)
Solids by Weight		81%
Solids by Volume		70%
VOC Content		250 g/l
Pack Size		4 litre kit including Catalyst
		20 litre kit including Catalyst
Pot Life (usable)		4 Hours – RWIPCAT-01, 3 hours – RWIPCAT-S
Touch Dry		3-5 Hours – RWIPCAT-01, 2-3 Hours – RWIPCAT-S
Hard Dry		16-24 Hours - RWIPCAT-01, 10-16 Hours – RWIPCAT-S
Overcoating Time	Min	4 Hours.
	Max	Unlimited. Coatings older than 24 hours may need refresher coat

**Storage:**

Highly flammable liquid: store and use in accordance with the flammable liquid regulations

**Shelf Life:** 12 months temperate; 6 months tropical.

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**Before use, refer to Product Safety Data Sheet.**

**Safety Data Sheets:**

For Safety Data Sheets please contact our Sales Department:

Tel: +44(0)121 702 2485

Email: [sales@indestructible.co.uk](mailto:sales@indestructible.co.uk)