

## REAL WORLD PRACTICALITY

All epoxies have the same basic properties BUT full achievement of them often requires impractical conditions.

Interzone 954 epoxy was designed to be used in the splash zone on oil rig legs being applied to damp steel in between tides. It is tolerant of damp and re-oxidised surfaces, has a low solvent content so can be applied in a thick coat and will continue to cure underwater. It is the only specialist marine formulated epoxy which ensures that theoretical specifications are reliably achieved in the real world.

## THE JMS INTERZONE 954 PROCESS MEETS THE KEY NEEDS

<b>ADHESION</b>	Surface preparation, epoxy crosslinks, fully wetting modifiers and high velocity application
<b>WATER BARRIER</b>	Careful choice of molecules leaves no interstitial space for water to penetrate
<b>PRACTICAL APPLICATION</b>	Choice of chain lengths and modifiers means paint "wets" surface, displacing moisture and curing properly to correct formula.

**THE JALSEA MARINE HULL PROTECTION PROCESS  
PERFORMANCE WARRANTED FOR 7 YEARS  
SERVICE LIFE EXPECTATION IS  
10 TO 15 YEARS**

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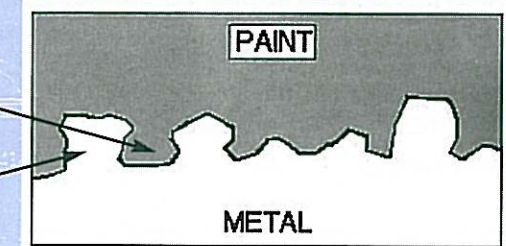
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## SURFACE PREPARATION

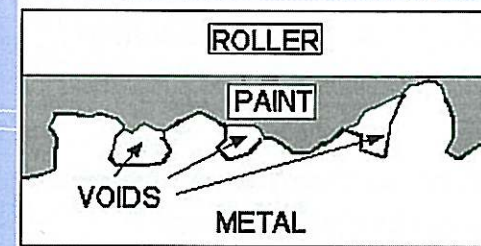
Abrasive blasting removes all foreign material and leaves a clean **ROUGH** metal surface. This surface can be **GRIPPED** by the paint.

EPOXY bonds will form around the rough steel surface locking the coating to it.

Blast prepared steel surface



## APPLICATION



Because of the roughness of the steel surface only a high velocity spray will ensure that the paint gets into all crevices and overhangs. Brushes and rollers don't do this.

## MOLECULAR ENGINEERING

The components of the epoxy are chosen to make the resin match the duty, surface and application.

The type and size of the polymer molecules are selected to give the paint its desired properties.

MODIFIERS are added to the paint to improve FLOW and WETTING of the surface, change speed of CURING, repel WATER and affect chain lengths and cross linking.

These modifiers are both **CHEMICALLY ACTIVE** and **SURFACTANT**.