



Transpoxy Masterbond



The versatile solution for maintenance of ships and steel structures

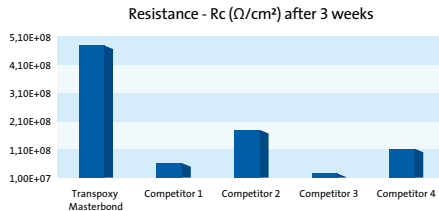
It is common knowledge that a better quality of surface preparation results in a longer life time expectation of the coating system. Therefore, blast cleaning or high pressure waterjetting are usually preferred over mechanical surface preparation methods. However, reality shows that blasting is not always possible or desired. Access, time and budget are just but a few of the reasons why surface preparation by using power tools such as wire brushes or sanding disks are the only feasible option. Transpoxy Masterbond was developed as an anti-corrosive system not only on blast cleaned steel but also on powertool cleaned surfaces. This knowledge gives operators and owners peace of mind as only one type of paint is needed regardless whether blast cleaning or powertool cleaning is used as surface preparation method.

- ✓ Exceptionally suitable for general maintenance of all vessel areas. Upgrades existing paint systems.
- ✓ Excellent corrosion protection and good resistance against impact and abrasion.
- ✓ Tolerates a lower degree of surface preparation. Compatible with firmly adherent old coating systems. Can be recoated with various finishing systems.
- ✓ Grain carriage certificate available. Low flame spread characteristics according to the IMO FTP-code.
- ✓ Approvals by various companies such as Petronas, Shell, YPF, Petrobras, Swire and many more.
- ✓ Approved as coating for ballast tanks according to IMO-PSPC standard.
- ✓ Approved as coating for crude oil tanks according to IMO-PSPC standard.
- ✓ Approved for Jet Fuel carriage according to MIL-Spec PRF 4556F.

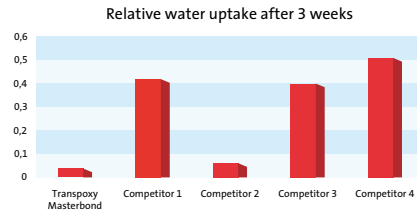


Superior performance in tests and practice

The excellent anticorrosion protection of Transpoxy Masterbond was proved in a benchmark with other surface tolerant epoxy formulations. Panels coated with 1 coat of paint were measured with Electrochemical Impedance Spectroscopy (EIS) in line with ISO 16773.



Resistance (R_c) in Ω/cm^2 offered by the coating. Higher values mean better corrosion resistance. Transpoxy Masterbond offers the highest resistance value.



Relative water absorption by the coating. Low values indicate better corrosion protection. Again, Transpoxy Masterbond has the lowest values of all tested surface tolerant epoxies.

These results clearly demonstrate superior properties which is supported by results from practice too. Below pictures of storage tanks after 6 years of exposure in a marine-industrial climate. The tanks were initially painted with a 2-layer system of Transpoxy Masterbond and topcoated with Transurethane Finish Matt. After 6 years, the tanks are in excellent condition, even the riveted sections which are known sources of corrosion are very well protected.



Now, Transpoxy Masterbond is well-known for its excellent performance on steel substrates. However, the product offers superior adhesion on concrete substrate too. In Australia for instance, Transpoxy Masterbond has been and is being extensively used as concrete primer or concrete coating system on itself for factory floorings, distribution centres, parking lots, garage floors etc.

Below two project examples where a full Transpoxy Masterbond system was used as a priming and finishing system.



8.000 m² aircraft hangar at Melbourne airport.



8.000 m² factory hall in Dan denong industrial area.

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