



**ASTM A775 TESTING OF
AKZO NOBEL EPOXY COATING RB-600**



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CONCLUSIONS

The performance requirements given by ASTM A775 and the results of testing performed on Akzo Nobel Epoxy Coating RB-600, to determine compliance with the specification, are given below. Based on this testing, the Akzo Nobel Epoxy Coating RB-600 met the prequalification tests of ASTM A775.

Test	A 775 Specification	Test outcome
Chemical resistance	No blistering, softening, lose bond or developing holidays after 45 days	Pass
Cathodic Disbondment	Average coating disbondment radius for the three bars not exceed 4 mm	Pass
Salt Spray Resistance	Average coating disbondment radius for the three bars not exceed 3 mm	Pass
Chloride Permeability	Concentration of the ions permeating through film be less than $1 \times 10^{-4} M$	Pass
Coating Flexibility	No cracking be visible on the outside radius of bent bars.	Pass
Relative Bond Strength	Mean bond strength of coated bars be 85% of that demonstrated by uncoated bars of the same deformation pattern ($R_f=0.082$)	Pass
Abrasion Resistance	No more than 0.100 g of coating be lost on each of three panels	Pass
Impact Resistance	No shattering cracking or bond loss of the coating except at the impact area	Pass