

SYSTEM FOR POTABLE WATER TANKS

3325

a two page issue

January 2010
revision of September 2005**GENERAL DESCRIPTION**

The formulations of coating systems, suitable and approved for potable water tanks, call for close consideration of a variety of important factors.

In addition to an excellent resistance to water it is of extreme importance that the coating does not cause tainting, neither should the migration of any substance affect the water in such a way that it is injurious to the health of the consumer. These and other requirements demand that stringent controls must be exercised in the choice and the composition of the raw materials used. Also, surface pretreatment, application and curing of the system must be carried out with great care and under close supervision.

The requirements for the issue of an approval certificate for coatings for the carriage of potable water vary from country to country. Our systems have, therefore, been tested by several prominent institutes throughout the world. (for approvals see information sheet 1882)

Full cure is essential in view of the possibility of migration if this is not effected. An incompletely cured coating can give migration of unwanted substances as well as bacterial growth or early damage of coating. For this reason special attention must be given to the provision of adequate ventilation, which must be continuous throughout the application and curing period. (please refer to sheet 1433 and 1434)

For recommended application instructions

– see working procedure –

SPECIFICATION FOR IN SITU BLASTED STEEL

SPECIFICATION 1	a high build solvent free pure epoxy based system	
pretreatment	steel; blast cleaned to ISO-Sa2½ – ISO-Sa3 blasting profile (Rz); 50 - 100 µm	
paint system	SigmaGuard CSF 585 sharp edges, weld seams, bolts, etc. to be stripe coated	300 µm
note	before using the freshly coated tanks, a tankwash should be carried out (see product data sheet 7785)	

SYSTEM FOR DRINKING WATER TANKS

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REFERENCES

SigmaGuard CSF 585	see product data sheet 7785
Safe working in confined spaces	see information sheet 1433
Directives for ventilation practice	see information sheet 1434
Cleaning of steel and removal of rust	see information sheet 1490
Specification for mineral abrasives	see information sheet 1491
Certificates for drinking water	see information sheet 1882
Recognized corrosion control coating (Lloyd's Register)	see information sheet 1886

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