Technical Data Sheet

WCP 712 & 722

White contrast paints

1 General Description

WCP 712 and 722 are quick drying white paints which are designed specifically for the use in the color contrast method of magnetic particle inspection. WCP 712 and 722 provide a dense white background against which black or red indications of defects can be seen readily. WCP 712 and 722 are ideal for use with either oil based or water based magnetic inks.

WCP 722 is a peelable version of WCP 712.

WCP 712 and 722 are available as aerosol cans. WCP 712 is also available as bulk material.

WCP 712 and 722 offer optimal performances when used together with the color contrast magnetic inks Supramor®4 Black and the remover S80.

Conformances (WCP 712)

✓ AREVA	TLV 9612 01
✓ ASME	Boiler & Vessel Code, Section V, Article 7
✓ CEN	ISO 9934-2

Ask your Chemetall representative for a complete list of approvals

2 Physical and Chemical Properties

Property	Unit	Typical Value			Test Method
		WCP712	WCP712 aerosol	WCP722 aerosol	
Appearance	-	white mobile liquid			-
Flash point	°C / °F	-18 / -0.4			ASTM D93
Density	g/cm³ at 20°C / 68°F	0.94	0.97	0.92	volumetric
Viscosity	mm²/s at 25°C / 77°F	21			Ford cup no. 2

These are typical values only and do not constitute a specification.

3 Application

WCP 712 or 722 can be applied to the area to be inspected by spraying (or brushing for WCP 712). Application by aerosol is by far the most common method as it is much easier to obtain a dense even film. Aerosols are also convenient to use, particularly for in-situ inspection. There can be more wastage of product with brush application due to the volatility of WCP 712.

It is essential that aerosols are shaken before use and, for brushing applications; containers must also be shaken thoroughly.

Surface temperature should be between 0 and 50°C (30-120°F).

WCP 712 or 722 is applied to dark colored ferromagnetic surfaces and allowed to dry before applying the magnetic particles. This ensures a good color contrast between the white paint and the red or black particles making it much easier for the inspector to identify and interpret the indications.

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WCP 712 or 722 are used extensively in conjunction with Supramor® 4 Black ink in aerosols particularly for the in-situ inspection of welded fabrications or structures, pressure vessels and pipelines.

WCP712 can then be left on the surface or removed with the remover S80.
WCP 722 can also be peeled off.

4 Effects on materials

When WCP 712 and 722 is used in the prescribed manner, no significant corrosion will occur on ferrous materials. Equipment/tanks should be constructed of plastic or stainless steel.

5 Storage

Store in a cool place, protect from freezing conditions.

6 Safety guidance

Before operating the process described it is important that this complete document, together with any relevant Safety Data sheets, be read and understood.

7 Waste release

Any release shall respect all the applicable national and local regulation.

8 General information

Chemetall supplies a wide range of chemical products and associated equipment for cleaning, descaling, paint and carbon removal, metal working and protection and non-destructive testing. Sales Executives are available to advice on specific problems and applications.

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