

SUPRAMOR[®] WCP 712 & 722

WHITE CONTRAST PAINTS

1 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

- ✓ 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	WCP 712	Typical Value WCP 712 bulk	WCP 722	Unit	Test Method
Appearance		white mobile liquid		-	-
Flash point		-18 / -0.4		°C / °F	ASTM D93
Density	0.97	0.94	0.92	g/cm ³ at 20°C / 68°F	volumetric
Viscosity		21		seconds at 25°C / 77°F	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.

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.

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.

WCP 712 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.

5 Storage

Store in a cool place, with protection from freezing conditions. Shelf life is 36 months for WCP 712 and 722 aerosol and 60 months for the WCP 712 brush paint.

6 Labor and environmental protection

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

All local and national regulations on the transport, storage, use and waste treatment of chemicals in concentrated or diluted form and as working solutions must be obeyed.

7 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.

The above details have been compiled to the best of our knowledge on the basis of tests and research work and with regard to the current state of our practical experience. This technical product information is non-binding. No liabilities or guarantees deriving from or in connection with this leaflet can be imputed to us. Statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. The reproduction of any or all of the information contained in this leaflet is expressly forbidden without Chemetall's prior written consent.

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