

Description

WS 1826 S Crack 5 is a contrast lacquer that is applied on a dark surface turning it into white so that there is a higher contrast when applying the product **WS 1825 S Crack 4 Black Magnetic Particles**, when carrying out a non-destructive crack detection test by means of a magnetic field.

Features

- Quick drying.
- Applies a thin, visibility-enhancing layer of **WS 1825 S Crack 4 Black Magnetic Particles** on dark surfaces.
- Easy to remove.

Applications

All types of welded parts of a ferritic nature which can be magnetised.

Instructions for use

1.

CLEANING

1.1 Surface Cleaning with WS 3050 S Crack 3.

For the development of any liquid penetrant examination procedure it is very important that the adjacent surface and possible discontinuities are free of any liquid or solid contaminants that may interfere with the process. All parts or areas of the part to be examined must be clean and dry before applying the penetrant. If only a section of the part, such as a weld, including the ZAT zone is to be examined, any possible contaminants must be removed, the surface must be free of rust, scale, dirt, oil, weld flux, spatter, grease, paint or any contaminant that could interfere with the process. These types of contaminants can prevent the penetrant from entering the discontinuities.

1.2 Drying after cleaning.

It is essential that the surfaces of the parts are completely dry, drying can be done by heating the parts in drying ovens, with infrared lamps, forced air or exposed to room temperature.

Demo
1826 S



2. MAGNETISE THE AREA TO BE INSPECTED

The area to be tested must be magnetised by one of the following types of magnetisation:

- Magnetisation with Yugo.
- Pin magnetisation.
- Indirect Magnetisation with Spiral or Central Conductor.
- Magnet current.

3. CONTRAST LACQUER APPLICATION WS 1826 S Crack 5

First apply the contrast lacquer **WS 1826 Crack 5** on the area to be inspected and allow it to dry.

4. MAGNETIC PARTICLE APPLICATION WS 1825 S Crack 4

Apply **WS 1825 S Crack 4** magnetic particles to the area to be inspected.

5. STAFF APPRAISAL, PROCEDURE, AGENCY

It may be required in a user/provider agreement that all examination personnel are qualified/certified in accordance with a written procedure according to the applicable edition of the practice, depending on the country/continent there are different certification systems SNT-TC-1st, ANSI/ ASNT CP-189, NAS 410, MIL-STD-410, etc.

Also, if the examination requires a Non-Destructive Testing Agency Qualification, the agency shall comply with E543.

6. EXPIRY

The shelf life of this product is 5 years* from the date of manufacture, this information can be found on the packaging.

*observing the recommendations on Proper Storage Conditions.

Certifications/Specifications

Meets and exceeds the standards of the following specifications:

- ASTM E 709
- ASTM E 1444
- ASME Sec V Art.7
- ISO 9934
- ISO 10893-5
- NAVSEA 250-1500-1
- BS 4069
- MIL-STD-271
- MIL-STD-1949
- AMS-3042
- DIN 54132

Technical Data

Property	Specification/Method	Value
Reference	- - - - -	WS 1826 S
Aspect	- - - - -	Liquid
Colour	- - - - -	White



Whale Spray S.L.

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All data contained in this document are based on experience and laboratory tests. The wide range of equipment and environmental conditions as well as unforeseen human factors may influence the application results to a greater or lesser extent. For this reason we advise you to check the compatibility of the product before use. This information is based on reliable experience, but is merely indicative.