

BONDERITE® M-NT 1455-W

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PRODUCT DESCRIPTION

BONDERITE® M-NT 1455-W provides the following product characteristics:

Technology	Surface treatment
Application	Surface coating with corrosion protection and improved adhesion

BONDERITE® M-NT 1455-W is a chromium free and water- based corrosion protecting surface treatment for metals like aluminum, zinc, zinc alloy, cold- and hot rolled steel, stainless steel, galvanized, sand basted and armor plate surfaces.

The corrosion protection in BONDERITE® M-NT 1455-W separates the surface of the above mentioned types of metals.

The converted surface provides an excellent base for organic finishes, paint, sealers and most adhesives.

This reaction greatly enhances adhesion and corrosion resistance of subsequently applied paints (including primer when multiple coat systems are used), sealers and adhesives.

BONDERITE® M-NT 1455-W conversion coating process is a dry-in-place application and does not require subsequent cleaning.

Technical data

(as supplied):

Concentration	Ready to use wipes
Application	Wet the surface by wipe on
Evaporation time	min. 1 minute
Open time	max. 15 minutes
pH-value	2.6
Application temperature	20 to 40 °C

Direction for use

Preliminary statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Application:

Treating metal surfaces with BONDERITE® M-NT 1455-W is the last step before starting with sealing, bonding or paint process.

The complete process sequence consists of the following steps:

1. All bare metal surfaces to be converted with BONDERITE® M-NT 1455-W must be dry and free from grease, oil and other foreign matter before pre-treatment. Abrasive cleaning is acceptable method of surface preparation where scale or corrosion particles exist. Afterward thoroughly clean and prepare the metal surface using TEROSON® VR 10 / VR 20. Follow the application instructions as recommended by Henkel. This is due to conversion coating can be influenced in a negative manner.
2. Wipe the clean and dry surface with BONDERITE® M-NT 1455-W. Use slightly over lapping vertical and horizontal, even with slightly application pressure. Make sure the entire bare metal surface is wetted with fluid. The surface should remain wet for minimum 1 minute under wiping movements for the chemical reaction. If handling of the dried, treated work is necessary, operators should wear clean, lint free paint gloves so that the treated surface is not contaminated. If the treated surface becomes damaged or re-contaminated, go back to the first step above. Drying time should be at least 5 minutes. Latest after 15 minutes, the following coating process should be done. To use only on bare metal surfaces. Do not use on paint, paint primers, 1K, 2K, residual paint coatings and plastic parts.
3. Allow the wetted surface to dry at ambient temperature.
4. Within 15 minutes apply paint, sealer or adhesive over the dry and converted surface. It is necessary to complete the painting, sealing or adhesive bonding operation. Make sure that all treated surface is covered.

Storage requirements:

Store product in the unopened container in a dry location. Always reseal the wipe package immediately after removing BONDERITE® M-NT 1455-W. BONDERITE® M-NT 1455-W should be protected from freezing. If the chemical is frozen, it will be irreversibly damaged and should not be used. BONDERITE® M-NT 1455-W get in contact with the pre-treated surface it could be polluted with surface contamination. To ensure an optimal corrosion protection, the wipes should be used only once. Wipe that are accidentally allowed to dry out completely should not be remoistured by adding water to the package; dried out wipe should be discarded. To keep wipes moist, reseal any opened package of BONDERITE® M-NT 1455-W using the zip lock closure feature on the package. If free fluid accumulates in the bottom of the wipe package, vertically rotate the package 90° and roll the pack a few times around its own axle, the free fluid is re-absorbed by the less moist portion of the unused wipes.

Storage:

Recommended storage temperature, °C	10 to 25
Shelf-life (in unopened original packaging), months	24
Frost-sensitive	Yes

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Transport Regulations

Hazardous Information

Safety Regulations

Disclaimer

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