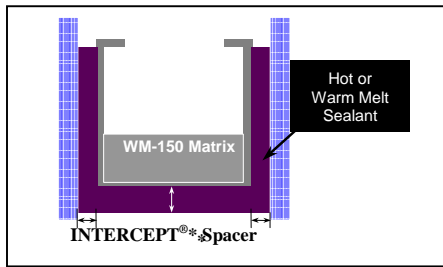




## WM-150 Product Information

### Product Description

WM-150 warm melt matrix combines warm melt adhesive and desiccant technology. The product was specifically designed for PPG's patented INTERCEPT®\* warm-edge technology and functions both as a desiccant and an adhesive.



Since the product readily adsorbs moisture, it needs to be handled with extreme care.

### Equipment Suggestions

Drum unloaders with gun attachments are available. H.B. Fuller is a distributor of application equipment and can help you select the right system for your operation. We also have equipment service capabilities.

The manufacturing process for INTERCEPT®\* warm-edge technology was developed and is exclusively available from Glass Equipment Development (GED).

\*INTERCEPT® is a registered trademark of PPG, Inc.

**ADEQUATE TESTS:** The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all of your requirements.

Table 1 Typical Application Properties	
Color	Gray
Shelf Life	One Year
Recommended Application Temperature	68 – 85°C
Form and Packaging	Drum
Patented	U.S. 6,112,477

Table 2 Typical Physical Properties	
Raw Material Base	Synthetic Resin
Approximate Pounds per Gallon	1.12 g/cc
Viscosity @ 121°C	60,000 mPa.s
Maximum Theoretical Drying Capacity	11.3% by wt.

Typical settings for the warm melt matrix extruder are as follows:

Follower Plate	71 – 93°C
Pump	71 – 82°C
Hose	71 – 82°C
Regulator	71 – 82°C
Nozzle	68 – 85°C

**Note:** The follower plate should initially be set at a temperature that will provide an adequate amount of matrix (a minimum of 71°C). The other temperatures are then set the same as the follower plate, with the exception of the pump temperature that is 8° C cooler.

### Storage and Handling

- This product readily adsorbs moisture. The drum cover should not be removed until it is ready to be used.

- Product stock should be used on a first-in, first-out basis.
- The product should not be exposed to moisture prior to its final use.
- Please contact your H.B. Fuller representative for further information regarding WM-150 warm melt matrix.

### Clean Up

Any material can be cleaned up with a common solvent, such as acetone or mineral spirits.

### Health & Safety Precautions

To minimize the risk of burns, eye protection and thermally protective clothing should be worn when working near a warm melt applicator. To minimize the risk of flammable vapors, do not exceed a melt temperature of 232°C. Prevent the buildup of vapors. Extinguish all sources of ignition during warm melt use. Use only in a well ventilated area.

**H.B. FULLER'S ACCEPTANCE OF ANY ORDERS FOR THIS PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS SHOWN ON THE REVERSE SIDE.**

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**Health & Safety Precautions  
(cont.)**

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Consult Material Safety Data Sheet for additional information.

**WARNING: EXTREME CARE SHOULD BE EXERCISED WHEN WORKING WITH WARM MELTS IN THEIR WARM, FLUID STATE.**

Severe burns will result if skin contact occurs. When moving a warm melt from one location to another, thermally protective gloves should be worn. If skin contact occurs, immediately immerse contact area in cold, clean water for at least 30 minutes. Cover contacted area with a wet, clean compress, and see a physician immediately.

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**Packaging & Shelf Life**

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WM-150 warm melt matrix is packaged and shipped in sealed, straight-sided 200 L drums. WM-150 warm melt matrix has a shelf life of one year from the date of manufacture.

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**Disposal**

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- In most localities, empty drums may be crushed and sent to a local landfill. Since local landfills have the right to refuse any material, check first.
- Check with the local drum recycler to see if they will accept the empty drums for recycling.
- Empty drums also may be discarded as scrap metal for a local scrapping company.
- Check the Material Safety Data Sheet for disposal requirements.

9 April 2008

**LIMITED WARRANTY AND TERMS**  
H.B. FULLER COMPANY

H.B. Fuller Company ("Fuller") warrants that, for a Warranty Period of one year (or the period specified on the applicable Technical Data Sheet, whichever is less) from the date of shipment from Fuller to the Initial Purchaser, that this Fuller product was manufactured in accordance with Fuller's specifications in effect on the date of manufacture. These specifications are available upon request. This Warranty does not cover test data, or any defects, damages or other harms caused to any extent or in any way by failure to follow applicable Fuller instructions, if any, or abuse or misuse of the product.

**WARRANTIES DISCLAIMED — THE WARRANTY STATED IN THE PARAGRAPH ABOVE IS IN PLACE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. Fuller EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ALTHOUGH Fuller MAY HAVE SUGGESTED THE PRODUCT OR DEVELOPED THE PRODUCT AT THE PURCHASER'S REQUEST, IT IS THE PURCHASER'S RESPONSIBILITY TO TEST AND DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE PURCHASER'S INTENDED USE AND PURPOSE, AND PURCHASER ASSUMES ALL RISK AND LIABILITY WHATSOEVER REGARDING SUCH SUITABILITY.**

**LIMITATIONS OF REMEDIES AND DAMAGES — FOR ANY VALID CLAIM PRESENTED UNDER THE LIMITED WARRANTY, Fuller WILL REPLACE THE PRODUCT, OR AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS REPLACEMENT/REFUND REMEDY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST Fuller. THE PURCHASER AGREES THAT NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO PURCHASER FOR CLAIMS ARISING OUT OF ANY USE OF THE PRODUCT REGARDLESS OF THE LEGAL THEORY (CONTRACT, TORT OR OTHER). IN NO EVENT WILL Fuller BE OBLIGATED TO PAY DAMAGES TO PURCHASER IN ANY AMOUNT EXCEEDING THE PRICE THAT THE PURCHASER PAID FOR THE PRODUCT.**

**NO INDEMNITIES** – Except as expressly stated herein, in no event will Fuller be liable to indemnify or to hold Purchaser harmless against any form of liability.

**LIMITATION OF ACTIONS AND VENUE** — Any claim made or action commenced by Purchaser under Fuller's limited warranty as set forth herein must be brought within one year from the date of shipment from Fuller to the Purchaser. Purchaser agrees that all disputes arising from Fuller's sale of product to Purchaser shall be brought, if at all, in and before a court located in the State of Minnesota, to the exclusion of the courts of any other state.

**ARBITRATION** – Purchaser agrees that any claim of less than \$100,000 shall be submitted for binding arbitration before a single arbitrator and shall be governed by the rules and procedures of the American Arbitration Association. The arbitrator and the American Arbitration Association shall be paid by the Purchaser.

**CONDITIONAL ACCEPTANCE** — Fuller's acceptance of Purchaser's order for this product is expressly conditional on Purchaser's assent to terms and conditions set forth herein.