# SM5142
**VACUUM BAG SEALANT TAPE**

## TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION:
Tacky Tape® SM5142 is a sealant tape developed for vacuum bagging operations. This product has been formulated to outperform all tapes in its class. With aggressive initial tack, it will maintain an air-tight seal during the cure cycle, yet strip clean from the tool, with virtually no trace of residue. SM5142 provides easy, almost effortless de-bagging, and minimal to no clean-up between production cycles. SM5142 exhibits these excellent usage and release characteristics from composite and metal tools, in both oven and autoclave applications. This tape has an optimum cure temperature range of room temperature to 400ºF (204°C).

### ADVANTAGES:
- Easy to apply by hand (User friendly)
- Ideal for oven or autoclave cure
- Excellent release from composite tooling
- Uses include: debulking/ compacting, envelope bagging, resin damming, or as pressure strip
- Has been shown to survive 30 debulking cycles
- Room temperature to 400ºF (204ºC) cure cycles
- Maintains adhesion during low temperature cycling
- Strips clean from various tools surfaces leaving no residue
- Good adhesion to various films and tool surfaces
- Non-Hazardous

### APPLICATION:
Apply by hand to a clean dry tool or platen with release paper on top. When the sealant is in position remove the release paper and lay the film on top. Apply pressure by hand or roller on the sealant to obtain maximum adhesion and to ensure positive vacuum. It is recommended to strip below 150ºF (66ºC) to minimize or reduce the parts from becoming warped. SM 5142 can be stripped without leaving a residue on metal and composite tool surfaces that have been cooled to room temperature.

### PACKAGING:
Tacky Tape® SM5142 sealant is supplied in roll form with a special release paper.

This product is available through Amrize Building Envelope LLC. Customer Service department at 1-800-878-7876.

### PERFORMANCE TEMPERATURE RANGE:
Application Temperature Range: 45ºF (7ºC) to 120ºF (49ºC)
Service Temperature Range: Room temp to 400ºF (204°C)

### TYPICAL PROPERTIES:

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|---|---|
| COLOR: | Yellow |
| PERCENT SOLID: | 100% |
| CONSISTENCY: Cone Penetration | 80 - 95<br>300 GRAM LOAD<br>ASTM D-217 |
| WEIGHT/GALLON: | 10.2 LBS/GALLON (1.22 Kg/L) |
| FREIGHT CLASSIFICATION: | Caulking Compound, NOIBN (NO LABEL REQUIRED) |
| STORAGE: | Keep in cool dry place. Tacky Tape® SM5142 has a 14 month shelf life from date of manufacture when stored at or below 80ºF (27ºC). Do not store cartons on end, keep flat. |

**EXCLUSION OF WARRANTIES:**
**INSTALL AS DIRECTED ON TACKY-TAPE® PRODUCT DATA SHEET. USER DETERMINES SUITABILITY FOR INTENDED USE AND ASSUMES ALL RISK AND LIABILITY. THIS PRODUCT IS SOLD "AS IS." EXCEPT AS REQUIRED BY LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF TERMS ARE NOT ACCEPTABLE, RETURN UNOPENED PRODUCT TO PLACE OF PURCHASE.**

Complete technical information is available from Amrize Building Envelope LLC.

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