

March, 2019

Scotch® Flatback Masking Tape 250

Product Description

Scotch® Flatback Masking Tape 250 is used for adhesion testing of paint and coatings. It was designed for bundling and holding applications where a stronger paper backing and aggressive adhesive are needed.

Product Features

- Aggressive rubber adhesive provides instant adhesion to a wide variety of surfaces.
- Certified to minimum 60 oz/inch adhesion to steel per ASTM D-3330 Method A.
- Lot code and date printed in the core.
- Treated flat stock backing has good tensile strength to resist breakage.
- Not recommended for outdoor exposure as it may become difficult to remove.



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Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values		Method
Color	Tan		
Total Tape Thickness	0.15 mm	5.9 mil	ASTM D3652
Backing	Flat Stock Paper		
Adhesive	Rubber		

Typical Performance Characteristics

Property	Values		Method	Dwell/Cure Time	Substrate	Notes
180° Peel Adhesion	9.2 N/cm	84 oz/in	ASTM D3330	Initial	Stainless Steel	12 in/min (300 mm/min)
Tensile Strength	107 N/cm	61 lb/in	ASTM D3759			
Elongation at Break	4 %		ASTM D3759			
Temperature Use Range	Removes cleanly after 30 minutes up to 52 °C	Removes cleanly after 30 minutes up to 125 °F				

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Available Sizes

Property	Values	
Standard Roll Length	54.8 m	60 yd

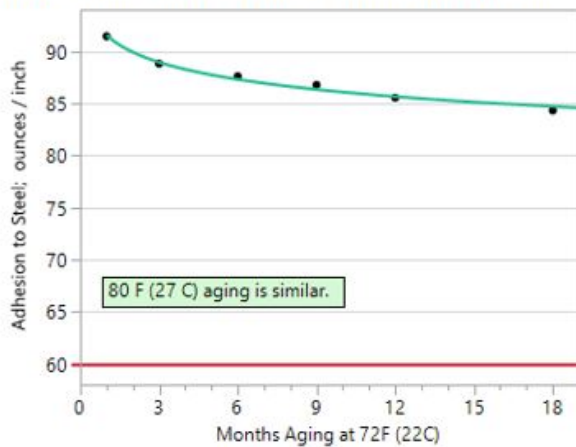
Handling/Application Information

Application Ideas

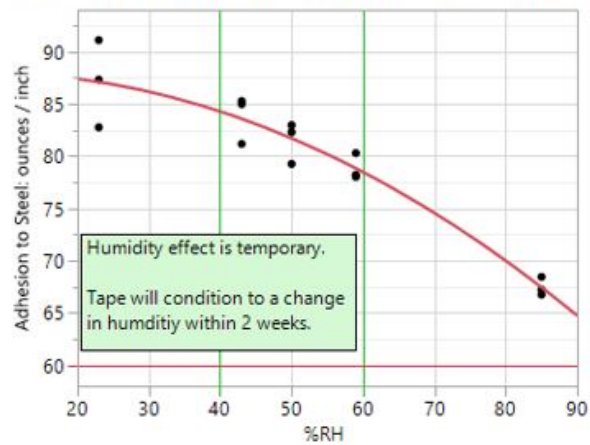
- Scotch® Flatback Masking Tape 250 has is used for adhesion testing according to ASTM D-3359 and other similar methods.
- Scotch® Flatback Masking Tape 250 can be certified to meet ASTM D 6123 / D 6123M-97.
- PPP-T42C Type II and CID-A-A-883B are obsolete standards which have been replaced by ASTM D 6123 / D 6123M-97.
- 3M no longer qualifies Scotch® Flatback Masking Tape 250 to meet the inactive specification MIL-F-18264D.

Aging and Humidity Graphs

Typical Adhesion Aging of tape stored at 72F (22C)



Adhesion to Steel (72F (22C)) of tape Conditioned to Varied %RH



Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain best performance, use this product within 18 months from date of manufacture.

Trademarks

Scotch is a registered trademark of 3M.

Scotch® Flatback Masking Tape 250

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~~/Scotch-Flatback-Masking-Tape-250?N=5002385+3293193839&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=250

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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Information

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