



# Smooth-n-Grove®

Issue Date: 07/1/2020 Version 2.0

## DESCRIPTION

Smooth-n-Grove® is a vinyl/foil film with a permanent adhesive. It is highly conformable to a variety of surfaces. Printable with wide-format inkjet UV, latex, solvent, and eco-solvent printers.

## APPLICATION

Smooth-n-Grove® is designed for outdoor wall applications on brick, stucco, metal, cinder block, and more. Smooth-n-Grove is ideal for advertising, way finding, signage, and promotional applications. Equally suitable for short term to long term applications. A non-slip overlamine is required for ground and floor applications.

## PROPERTIES

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	PSTC - 133 - Substrate - Pressure Sensitive adhesive - Release Liner	0.005 inch (0.127 mm) 0.003 inch (0.076 mm) 0.006 inch (0.152 mm)
Peel Adhesion to:  - Stainless Steel  - Powder coated surfaces *  - Polyethylene	PSTC – 101  15 minute dwell 24 hour dwell  15 minute dwell 24 hour dwell  15 minute dwell 24 hour dwell	80 oz/in (88 N/100 mm) 100 oz/in (110 N/100 mm)  70 oz/in (77 N/100 mm) 80 oz/in (88 N/100mm)  50 oz/in (55 N/100 mm) 60 oz/in (66 N/100 mm)
Shear Adhesion to:  - Stainless Steel	PSTC – 107  1/2” x 1/2” x 1000g	5 hours
Tack	PSTC - 6 Rolling Ball Tack	< 5 inches
Coefficient of Friction (Static)	ASTM D-2047	N/A

\* Color and lot variances of coated surfaces including paints, powder coatings, lacquers, stains, and other treatments may vary the performance of the tape and should be evaluated for the compatibility of the tape to the specific surface.



### PROPERTIES

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Service Temperature High	14 days at 150°F	No visible effects
Low	14 days at -20°F	No visible effects
CHEMICAL PROPERTIES	REAGENT	RECOMMENDATION
<u>Solvent Resistance</u> (Product laminated to stainless steel panel and allowed to condition for 24 hours at room temperature before testing. Sample was covered with reagent to the point that edges of product are also exposed to the reagent. The product is exposed to reagent for one hour at room temperature, then reagent is removed and product is immediately tested for scrape resistances, delaminating, and other visual effects.)	Water 10% Salt Water Bleach Trichloroethylene 25% Sulfuric Acid 1% Sodium Hydroxide Unleaded Gasoline Diesel Fuel Hydraulic Fluid 50% Antifreeze in water MEK Mineral Spirits 99% IPA	Recommended Recommended Recommended Not Recommended Intermittent Contact Only Intermittent Contact Only Recommended Recommended Recommended Recommended Not Recommended Not Recommended Intermittent Contact Only

- Recommended application of product within (1) year from date of purchase.
- Product should be stored at room temperature. Stored temperature not to exceed 130F.
- Recommended application temperature : 50-100°F
- Recommended application humidity: Under 80% RH.
- Adhesive type: High Performance PSA

**Note:** While the data contained herein is believed to be reliable averages of the product’s properties, the data should not be used for specification purposes. Jessup Manufacturing Company cannot guarantee colors due to the variation in ink lots, manufacturing processes, etc. Sample colors may also vary as the samples may be shipped from different bundles or lots. Customers who desire specific performance data should contact Jessup Manufacturing Company for further recommendations.

### WARRANTY

Jessup Manufacturing Company products are warranted to be free of defects in material and manufacture at the time of shipment and to meet the specifications stated in the Technical Specifications Sheets. Jessup Manufacturing Company will replace or refund the price of any Jessup Manufacturing Company materials found not to meet our product specifications. In no case shall Jessup Manufacturing Company be liable for any direct, indirect, or consequential damages; including labor or non- Jessup Manufacturing Company materials charges.

\*\*The determination of the suitability of this product for any specific use is solely the responsibility of the user. No representations, guarantees or warranties of any kind are made to the accuracy or suitability for specific applications.

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