



PROFESSIONAL PROTECTION FILMS

TECHNICAL DATA SHEET

STOPSTONE 137PU

09/2014

PU POLYURETHANE

DESCRIPTION

STOPSTONE 137PU is a premium quality extruded aliphatic polyurethane films have been specially developed for use in the automotive and other industries which require a self adhesive material to reduce corrosion, stone chipping and scratching. Polyurethane may also be used for anti-squeak applications. The films are clear and have a specially developed Hi Tack aggressive adhesive system, which makes them suitable for use under or over painted surfaces.

The materials have performed successfully when printed by rotogravure screen and digital methods using solvent based inks, as well as thermal transfer imaging. However it is advisable to test the process prior to any production run.

TECHNICAL DATA

Film Thickness	137 micron
Adhesive Thickness	50gsm
Adhesive Type	Hi Tack Self Cross Linking Acrylic
Release Liner	140gsm Stayflat Kraft
Tensile	30 N/mm ²
Elongation	250%
Shore Hardness A	90-95 units
Static Shear	2 hours
Adhesion 20 Mins/180° 23°C	430 N/m Minimum
Adhesion 24 Hrs/180° 23°C	710 N/m Minimum
Dimensional Stability	1.0mm
Weathering*	6-8 Years

* Vertical Exposure / Mid Europe

SHELF LIFE

two (2) years when stored in the original packaging between 20°C and 25°C at 50% relative humidity.

STANDART DIMENSIONS

620 mm x 5m
1240mm x 10m

SAFETY DATA SHEET

When used under normal conditions, this product does not generate or release any dangerous substances or hazardous chemicals. This is a non-hazardous product in accordance with the current GefStoffV and EU criteria. Therefore it is not necessary to prepare a Material Safety Data Sheet for this product. The Safety Data Sheet serves only to comply with the regulation to supply information in accordance with REACH Regulation (EC) No. 1907/2006 and is available on request.

This product is not a hazardous product with regards to transportation legislation; neither does it contain substances that are hazardous to water within the meaning of the federal water act. After use, dispose of the waste product in accordance with the local / national authorities.

STOPSTONE PU films should not be applied to unsound surfaces or to surfaces which may subsequently crack, peel, outgas or are of low surface energy. It is recommended that any application surface should have an energy level in excess of 40 dyne/cm. (Polyolefins should be in excess of 45 dyne/cm). The above data shows typical properties and should not be taken as a guarantee for performance. Purchasers should determine the suitability of each product prior to its intended use. Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids etc. may eventually cause deterioration. Durability is based on middle European exposure conditions. Actual performance will depend on substrate preparation, exposure conditions and application of marking.

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is to the best knowledge and belief of WMT Baltic, accurate and reliable, however, without any responsibility for results due to several different kinds of material and application processes. Therefore, we highly recommend that before every usage a test should be conducted on the original material. WMT Baltic makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility.