

ESSENTIAL R9010

WATERBORNE POLYURETHANE DISPERSION FOR HEAT SEAL APPLICATIONS

Essential R9010 is an aliphatic polyurethane dispersion specifically designed for heat sealable applications; typically for paperboard and foil board. The coating imparts very good gloss and excellent bond strength to various plastic substrates when applied at the proper coating weight and activated at the proper temperature and pressure.

Essential R9010 being solvent-free is a great choice if you need to reduce your VOC emission or would like a more environmentally friendly product.

KEY BENEFITS

- Excellent adhesion to various substrates
- Solvent-free: low VOC
- Good gloss
- Ease of clean-up

TYPICAL PROPERTIES*

Appearance	Opaque White
% Solids, by weight	36 +/- 2%
pH	8.3
Viscosity (Zahn #3, sec)	45 - 50
VOC Level (As Supplied)	
Lbs./Gal.	< 0.82
G/L	< 98
Activation	
Temperature	215°F +/- 20°F

**These values should not be interpreted as specifications.*

DISCLAIMER: The information and recommendations contained herein are based on data believed to be correct. The information is offered solely for the customer's consideration, investigation and verification because of numerous factors beyond our control affecting the results of the use of products. Essential Industries, INC. makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for a particular purpose, other than that the product conforms to its applicable current standard specification. The manufacturer's only obligation shall be to replace such quantity of the product proven to be defective.



The Spark of Innovation

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Heat Seal Conditions

<u>Heat Applied</u>	<u>Temperature</u>	<u>PSI</u>	<u>Dwell Time</u>
Back of Board	420 +/- 25	70 +/- 10	2 secs
Front of Board	325 +/-25	70 +/- 10	1 – 2 secs.

Storage – Please store Essential R9010 in an area where the temperature does not exceed 100°F or go below 50°F. This will ensure that the product maintains its proper viscosity profile.



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