

Thermoform 3D Clear is a vacuum-formable liquid over-lam clearcoat. With Polymeric's UVD-VAC vacuum-formable digital inks, the efficiencies of digital printing possibilities are unlimited. This product is specifically designed to run in place of conventional Korad over-laminates, often used in automotive and sports and outdoor graphic constructions (bug shields, wind deflectors, ATV's, canoes and kayaks, etc.). Unlike the typical over-laminates, Thermoform 3D Clear can be screened or roll-coated, eliminating the all too often found bottle-necks of the current laminating process.

Thermoform 3D Clear is an extremely resilient coating; its solvent and chemical resistance far exceeds that of over-lams. In addition, Thermoform 3D Clear's abrasion and outdoor weathering characteristics are unmatched. It offers 3-5 years' weathering in direct outdoor environments.

This product dries extremely fast and is optically clear and non-yellowing; available in matte to high gloss finishes. Thermoform 3D Clear will jog and feed excellently for all post printing and finishing requirements.

Thermoform 3D Clear is an extremely high elongation product with literally an unlimited vacuum forming range. Parts printed with Thermoform 3D Clear virtually appear as a conventionally laminated product.

Durability

- 3-5 years outdoor exposure
- Excellent Chemical and Abrasion Resistance

Cure Parameters

250 – 300 mjs Mercury Vapor

Deposit

1.75-2.0 mil wet film. For extreme deep draw applications (6"+) .2mil -3.5 mil is recommended. Thermoform 3D can be coated in multiple passes to obtain desired film thicknesses.

Mesh

Depending on the application method Thermoform 3D Clear is supplied ready to use. Recommended mesh

is 156 to 230. Thinners and reducers are available upon request.

Storage

Care should be taken to store ink in tightly closed containers located in a cool (60-80°F/15-27°C) dark place. With suitable conditions, unopened ink is expected to have a shelf life of approximately twelve (12) months from date of manufacture, six (6) months for white inks.

Precautions

Read the safety data sheet prior to processing. It contains instructions for precautions to be taken when handling inks. If ink comes in contact with skin wipe off with a clean, dry cloth (do not use solvent). Wash and rinse the affected areas with soap and

water

As a quality control measure please check inks properties before proceeding with production runs.

A. Warranty Liability Limited to Purchase and Installation Costs



Thermoform 3D Clear

Notwithstanding anything provided herein or any other written material to the contrary, Polymeric only warrants the purchase price and costs of installation. Polymeric US shall have no liability or obligation to any user, buyer, purchaser, distributor or other person or entity for any special, direct, indirect, incidental or consequential damages, however caused, including without limitation, personal liability, loss of business, loss of profit, or other damage, whether or not buyer shall have informed Polymeric US of the possibility or likelihood of any such damages.

B. Limitation of Implied Warranty and Fitness for a Particular Purpose

Polymeric's warranty is given in lieu of all other warranties, express or implied, including but not limited to an implied warranty of fitness for a particular purpose, an implied warranty of merchantability, and any other implied warranty arising out of a course of dealing, performance, customer usage or trade.

C. A Pretest Prior to Production is Recommended to Ensure Proper Suitability for the Intended Application.

