



TECHNICAL ASSISTANCE

www.MACtac.com

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MACal 9800Pro vs. Cast

MACtac's 9800Pro, stabilized polymeric PVC (polyvinyl chloride or 'vinyl') has been specially formulated and manufactured with the *Best Possible Balance* of all properties for success in the Computer Aided Signage market. This film, exclusive to MACtac, was designed with the following criteria in mind to offer sign shops a true alternative to cast.

WHAT IS REQUIRED?

- 1) **Durability**
- 2) **Conformability**
- 3) **Gloss, Color Selection and Consistency**
- 4) **Dimensional Stability**
- 5) **Superior Die-Cutting and Weeding**

How well does MACtac's 9800Pro stack up against the competition?

- 1) Durability: MACtac's 9800Pro, a proven 7 - 8 year high performance film, combined with our permanent solvent acrylic adhesive makes it comparable to cast films in the market today for outdoor durability. This durability has been proven with over 20+ years experience in the European market and in tough, head to head accelerated weathering studies against our top competitors.
- 2) Conformability: Contrary to general belief, conformability is not only a matter of film flexibility. Film flexibility is a major factor, however, conformability also includes the strength of the adhesive or its ability to hold the film in place once it has been applied. Our exclusive 2.8 mil flexible, stabilized polymeric vinyl is designed with a low tensile and high elongation *at yield* to accommodate the slightly heavier gauge in applications over irregular surfaces. In addition, we have added an aggressive, solvent acrylic adhesive with high peel strength, to arrive at a system that rivals cast in overall performance or "fitness for use".
- 3) Gloss, Color Selection and Consistency: MACtac's 9800Pro, with 54 standard colors has one of the widest selections on the market today. With a high gloss finish and opacity consistent with cast films.

- 4) Dimensional Stability: Laboratory tests have proven MACtac 9800Pro to be extremely dimensionally stable, and in some cases, better than the current cast films on the market today.

- 5) Superior Die-Cutting & Weedability: Based on extensive cutting and weeding studies, we have learned that thinner film is not necessarily better. The film and adhesive must be able to cut easily and cleanly with the proper knife pressure. It must not lift at sharp corners or with small letters (down to ½ inch) and it must weed immediately or even after 72 hours without losing letters. Our studies show that MACal 9800Pro stabilized polymeric vinyl, a MACtac exclusive film, designed with the right blends of plasticizers, pigments, film thickness and adhesive system, is one of the best cutting and weeding films on the market today.

IMPORTANT NOTICE: The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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