

Product Datasheet

DS640 Monomeric Vinyl, Gloss, Permanent 95µm

Overview:

DS640 is a white, monomeric, calendered, self-adhesive vinyl with a permanent acrylic adhesive, backed with a kraft paper release liner.

Properties:

Thickness (µm) 95 ISO 536
Dimensional stability (mm) <0.4 DIN 30646
Initial adhesion (N/m) 550 FINAT no1
Final adhesion (N/m) 800 FINAT no1

Applications and features:

Short-term promotional signage
Point of sale applications
Window decoration
Permanent acrylic adhesive
Kraft paper backing
Excellent application on flat surfaces

Available Widths (mm):

3"core 1067 1370 1600

Storage Conditions:

Shelf life: 2 years. Temperature 22°C, Relative Humidity 50-55%
Repack opened rolls when not in use.

Print conditions:

Best results are obtained between 15-25°C and 35-65% RH. Refer to printer specifications.

Environment, Health & Safety

No Material Safety Data Sheet required.

Outdoor use:

The vinyl is suited for short-term outdoor use. The actual outdoor life will depend on substrate preparation and exposure conditions. Also, air pollution can affect outdoor life. Laminating can prolong the outdoor.

Colour profiles:

Design Supply develops high-quality colour profiles for media / ink / printer / RIP combinations. Details on request.

Processing Guidelines:

Printing guidelines:

It is recommended to handle the media with cotton gloves. Make sure that the media comes not into contact with grease, oil, silicon, and dirt to avoid printing defects. It is recommended to calibrate the printer before printing and to make a test print. Print results will vary for different printer/ink combinations. DS profiles include recommended settings for ink restrictions and printer parameters. Depending on fluctuations in environment, printer, ink, media and applications, printer parameters may have to be adjusted slightly, in order to obtain the best results. For high-speed production printing, using an external drying unit is recommended.

Application guidelines:

Optimal bonding properties are obtained on smooth and flat, dirt- and grease-free surfaces. Fresh lacquered surfaces should not be used for the application of the vinyl foil. The vinyl can be applied to a large number of flat and smooth surfaces (dirt- and grease-free). Pre-testing the adhesive onto unknown surfaces is strongly advised. Minimum application temperature for applying the vinyl is 10°C. The vinyl can be removed at 15- 25°C. Any residue can be removed with soapy water or petrol.

Finishing guidelines:

DS640 can be used outdoor without lamination. However, we recommend protecting the vinyl if it is subject to mechanical abrasion. Cold lamination protects against UV exposure and improves contrast and colour brilliance.
