

Technical Data Sheet

Solutions for Decoration

80 2039 - Strippable Coat

Application	<p>80 2039 is a non-thixotropic covercoat that, as a so-called strippable coating, can be stripped from various substrates once it has dried.</p> <p>This strippable coating can thus be used for making non-fired decals, for transferring company logos to various items, or to temporarily cover areas of ceramic objects.</p> <p>80 2039 belongs to the covercoats that are not usually fired.</p> <p>In some cases, strippability needs to be improved by printing an intermediate layer. For FERRO's Xpression colors this intermediate layer is either 80 4540 or 80 4552. Please refer to the technical data sheets of the respective intermediate lacquers.</p> <p>For printing 80 2039 only decal paper with dextrin coating is recommended (e.g. Trucal Plus).</p>
Printing Properties	<p>High printing speeds can be achieved with 80 2039, without any cobwebbing or blistering, due to the well-balanced solvent composition.</p> <p>As 80 2039 is a flowing covercoat however, care must be taken when it is used on its own and drying takes place in wicket dryers to avoid the formation of beads caused by too thick a print, or a horizontal pre-drying zone must be used before running through the dryer.</p>
Film characteristics	<p>After the solvents have evaporated, 80 2039 produces an easy-to-handle, very flexible and ductile film. The recommended minimum dry film thickness should be some 28 µm.</p>
Application errors	<p>If the recommended processing temperature of 20-25 °C is not observed, i.e. the temperature is lower, cobwebbing may occur when printing, the dry film thickness may be insufficient and there may be pinholes in the dry film.</p>
Storage	<p>80 2039 should be stored in the drums in which it was originally supplied by FERRO dry place at room temperature (15-25 °C). Always seal opened drums carefully as the composition of the product changes when solvents evaporate from open drums.</p> <p>When this storage recommendation is observed, the minimum shelf life in unopened original drums is 2 years.</p>
Environment	<p>Waste material treatment, environmental health and safety protection has to follow the local regulations and legislation.</p>

Field of application	glass, porcelain, ceramic, enamel
Processing	with automatic and semi-automatic screen printing equipment
Appearance	clear or colored, transparent liquid
Composition	polyacrylates, plasticizer, solvent
Viscosity at 23°C [mPa*s]	2100 at 50 1/s ; 2000 at 200 1/s
Degree of thixotropy	none
Consistency	flowing
Density at 20°C [g/cm³]	0,98
Non-Volatile parts (nvp) [%]	34
Flash point according ISO 3680 [°C]	40
Recommended screen material	PET: 21-140 to 24-120 or corresponding steel mesh
Blocking stability	not tack-free, interlayer wax paper required
Minimum dry film thickness [µm]	28
Drying figures TZ according to Mettler	TZ 10: 48 ; TZ 100: 829
Recommended working temp. [°C]	20 - 25
Recommended rel. humidity [%]	55 - 60
Thinner	--
Cleaner	80 452

Limitation of Warranty and Liability

Ferro believes that the information contained in this document is accurate at the time of its publication. Ferro makes no warranty with respect to the information contained in this document. The information in this document is not a product specification, either in whole or in part. Your use of the information contained in this document and your purchase and use of this Ferro product are at your sole discretion. Downstream users are responsible for determination of the suitability of this product and for testing in specific applications. Nothing in this document shall be construed as a license for use that infringes upon any property rights of any third party. Please refer to the Safety Data Sheet (SDS) for safe use, handling and disposal information. All sales by Ferro to you are subject to Ferro's Terms and Conditions of Sale, as amended from time to time and available at www.ferro.com. In the event this document conflicts with Ferro's Terms and Conditions of Sale, Ferro's Terms and Conditions of Sale shall control.