

# Technical Data Sheet

Solutions for Decoration

## 80 650 - Soaking Agent

### Application

In most cases, freshly made ceramic decals with the correct composition can be processed more easily than older ceramic decals due to the solvent residues they contain.

When stored for a long time, the solvents evaporate completely and the decals become harder and brittle.

This is particularly true of OFF-SET decals, as the litho varnish present continues to cure during storage due to polymerization.

As a result, decal processing increases in difficulty the longer the decals are stored. By adding 3-4 % of 80 650 to the decal soaking water, the decals are regenerated after a soaking time of approx. 15 minutes.

The decals become flexible again and can be processed like newly printed decals. The degree of flexibility desired can be determined by the amount added.

Generally applicable is:

3 % addition of 80 650 is sufficient in most cases,

4 % addition of 80 650 is the maximum amount and is only necessary for decals printed with very thick layers of ink.

The recommended soaking time of at least 15 minutes must be observed, as otherwise the desired flexibility will be insufficient.

### Application errors

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### Storage

80 650 should be stored in the drums in which it was originally supplied by FERRO in a 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.

When this storage recommendation is observed, the minimum shelf life in unopened original drums is 12 month.

### Environment

Waste material treatment, environmental health and safety protection has to follow the local regulations and legislation.

<b>Field of application</b>	plasticizing ceramic decals
<b>Processing</b>	as an agent for making old or brittle ceramic decals flexible again
<b>Appearance</b>	clear liquid
<b>Composition</b>	various solvents; glycols, glycol ester
<b>Viscosity at 23°C [mPa*s]</b>	at 50 1/s ; at 200 1/s
<b>Degree of thixotropy</b>	none
<b>Consistency</b>	flowing
<b>Density at 20°C [g/cm³]</b>	1,00
<b>Non-Volatile parts (nvp) [%]</b>	0
<b>Flash point according ISO 3680 [°C]</b>	>100
<b>Recommended working temp. [°C]</b>	20 - 25
<b>Recommended rel. humidity [%]</b>	55 - 60
<b>Thinner</b>	--
<b>Cleaner</b>	Wasser

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