

TECHNICAL INFORMATION

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NEWOPRINT 122 INH

Product Category:	Anionic printing ink base with built-in inhibitor
Fields of Application:	Printing inks for chemical embossing without thiourea
Product Characteristics:	<ul style="list-style-type: none">➤ ready-to-use printing ink base➤ chemical inhibitor already built in➤ free of thiourea➤ suitable for any colour pigments
Chemical Composition:	Aqueous acrylic dispersion including triazole derivatives and wetting/dispersing agents
Technical Data:	<p>Appearance (20 °C): yellowish liquid Solid content (120°C): approx. 25% Boiling range: 100 °C (water) Solidification range: 0°C (water) pH value: approx. 8 Viscosity (25°C) : approx. 25s (ASTM D1200, No. 4 Ford efflux viscosity cup) Compatibility: compatible with most colour pigments used for anionic printing inks</p>
Storage:	<p>Shelf life: in originally sealed drums, approximately one year from the date of delivery under the conditions recommended below</p> <p>Storage Conditions: Recommended storage temperature: min +3°C, max +35 °C Frost resistant (once frozen, it needs to be warmed up and remixed)</p>
Packaging:	drum / IBC
Use concentration:	<p>As needed (just colour pigments and/or a thickener need to be added)</p> <p>We recommend to carry out own lab tests in any case to develop the optimum formulation for your particular application.</p>

NEWOPRINT 122 INH

Application:

NEWOPRINT 122 INH is a ready-to-use printing ink base with a built-in inhibitor used for chemical embossing in the production of PVC floor coverings or vinyl wallpapers. It just needs to be coloured as desired with any kind of colour pigments used for anionic printing inks.

The built-in triazole inhibitor suppresses the decomposition of the chemical blowing agent (azodicarbonamide) of the PVC foam to create a chemical embossing effect on the substrate.

NEWOPRINT 122 INH as delivered has a viscosity of approx. 25s (No. 4 Ford efflux viscosity cup, ASTM D1200, 25°C). If the viscosity needs to be adjusted to a higher value, we recommend to use acrylic thickeners like NEWOTEC® 503 or 505.

NEWOPRINT 122 INH is resistant against high shear forces, so all ingredients like colour pigments or thickeners can be thoroughly mixed in using a high speed stirrer or dissolver.

Further Information:

In case the chemical embossing effect on the substrate (embossing depth) is still insufficient, the quantity of inhibitor present in NEWOPRINT 122 INH can easily be increased by adding our separate triazole inhibitor NEWOTEC® 402-38.

The data in this technical information are derived from practical experience. They do not guarantee specific product properties or the suitability of the product for particular applications. Lab or pilot tests should be carried out in any case. Due to many different possible process conditions we cannot assume any liability. Any existing industrial patent rights have to be respected. Additional information on product properties pertaining to working safety as well as environmental protection can be found in the material safety data sheet.