

Technical Data Sheet

Prefere 70 1000L

Urea-impregnation-resin

Description

Prefere 70 1000L is an aqueous solution of an unmodified urea-formaldehyde-condensation product. Prefere 70 1000L is suitable for the impregnation of decorative paper for the lamination of wood panels (LPM).

Properties

	Parameter
appearance	clear, nocolor
solid content ¹⁾	49.0 – 54.0%
density (20°C)	1.20 – 1.22 g/ml
viscosity (20°C. DIN cup 4 mm)	12 – 14 sec.
pH (20°C)	7.2 – 8.0
watertolerance (20°C)	> 1:50
contentoffreeformaldehyde	< 0.5 %

¹⁾ 1 g of resin in a dish according to DIN 12605 (diameter 35 mm), dried for 3 h at 105°C.

Form of delivery

Liquid in tank trucks.

Storage stability

The shelf life of Prefere 70 1000L at 20°C is about 2-3 weeks. It should be taken care that the resin is stored between +15°C and +20°C. Lower and especially higher temperatures will reduce the shelf life. It is recommended to check the stocks regularly, especially in summertime.

Safety recommendations

Please read the respective safety data sheet for specific and detailed information.

Application

Prefere 70 1000L is suitable for the impregnation of decorative papers used for the lamination of wood based products.

It is primarily used in two stage impregnation processes where it is applied in the first bath either pure or blended with a melamine resin. For the second stage usually pure melamine resin is used.

Prefere 70 1000L can also be blended with a melamine resin for use in a single stage process.

Prefere 70 1000L has a good compatibility with acrylic dispersions. This mixture is very stable and therefore useful for the production of finish foils.

Another field of application is the production of edge bending materials.

Storage of the impregnated paper

Papers impregnated with Prefere 70 1000L have a good shelf life. However, to maintain the volatile content it is recommended to store the impregnates in climate controlled rooms or wrap them air tight. Temperatures above 25°C will reduce shelf life.

Common indications

On request our technical staff is at your disposal. All technical recommendations have to be adjusted to industrial working conditions in each mill. Above given recommendations are based on conscientious experiments and should advise in the best way. Concerning the great variety of different forms of application and of working conditions in various mills we only can guarantee for proper quality of our products but not for application of them.