

Hraniresin 41

GENERALITIES

Hraniresin 41 is a new generation of urea-formaldehyde resin with a low formaldehyde content. Characterized by high yield value, good solubility and no oozing, it is used in the wood industry for cold and hot-setting, and high frequency bonding. It is suitable for obtaining E1 and F*** (former E0) class products.

USE / EXAMPLE OF USE

- gluing plywood, core boards
- gluing paper, veneer

TECHNICAL DATA & SUITABLE WORKING CONDITIONS

Argument	Value
Form	Powder
Colour	White or walnut
Viscosity (Brookfield 20 °C) solution 2:1 in water	2 500 – 5 500 mPas
Specific gravity	0,5 g/m ³
pH at 20 °C	5 - 6
The product must be diluted in water in approx. 65 % solid content as in the following formulation:	
Component	Value
Hraniresin 41	10 kg
Cold water (15–20 °C)	5 kg
Temperature	Pot lives
15 °C	8 hours
20 °C	5 hours
30 °C	3 hours
Temperature	Hardening times
60 °C	13 minutes
80 °C	140 seconds
100 °C	60 seconds
When applying the product, curing time must be increased by 1 min. for each millimeter of wood thickness	

APPLICATION / HANDLING

Apply using an applicator with rollers, spatula or brush. The amount of glue must be smeared according to the type of material used (generally between 100 and 200 g/m²). **In order to get E1 and F*** (former E0) class, the glue coating may not exceed 100 g/m².**

The working pressure of the press depends on the materials used, and ranges from 0.8 to 2 kg/cm².

WARNING

Check frequently that the glue still feels damp and sticky when pressing it. Wood like birch, rosewood, teak, fir-wood and brias in general may sometimes require a special formulation. The gluing mixture should preferably be prepared in non-metallic vessels, or in stainless steel.

Before use in production, you must carry out your own tests and test all substrates before the gluing process.

PRECAUTIONS FOR SAFE USE

Please consider the material safety data sheet of the product prior to handling.

STORAGE

Store in original and sealed packaging at a temperature of 10-30 °C. Shelf life is 9 months at 20 °C. This product is hygroscopic and must be protected from contact with humidity. Contact with humidity may lead to the formation of blocks and the glue may become unusable.

PACKAGING

Information at the request of your regional sales manager, possibly available at [the www.hranipex.cz/en](http://www.hranipex.cz/en)

TRANSPORT

For information on safety and handling during transport, see the safety data sheet.

The information contained in this leaflet and suggestions on how to use our products corresponds to the current state of our scientific and practical knowledge. However, there is no guarantee or liability for the final result of the work done using our products due to the variability of materials and conditions of application beyond our control. Therefore, we recommend conducting preliminary tests also in relation to subsequent applications provided for the product and the operating conditions of the finished product. This revision cancels and replaces all previous ones.