

Technical information -

Please follow general instructions carefully !!!!!

HOMAPAL laminates, flame-retardant

Product description: Flame-retardant HOMAPAL laminates differ from standard HPL in their special fire-resistant properties (**B1 in accordance with DIN 4102**), which is achieved through the use of a halogen-free flame-retardant component.

How to process:

In addition to our General Instructions for processing (see standard HOMAPAL Technical Information for every product group) please consider the following specialities:

- Bonding:
- The choice of adhesive depends on the type and composition of the base material.

Good results have been achieved with the approved flame-retardant, 2-component epoxide adhesive, Rakolit M½ produced by Messrs. Fuller GmbH, Nienburg-Weser, Germany. For correct processing please refer to technical data sheet of Messrs. Fuller.
 - **CAUTION:** Due to their composition, flame-retardant HPL must **never be processed with glues or adhesives containing water**. Particular care should be taken to ensure that the moisture content of the base material never exceeds that of the HPL (see conditioning). If the base material contains too much moisture, problems may occur as result of moisture exchange, particularly in the case of HOMAPAL metal laminates.

General advises:

- Usually the fire protection regulations require not only proof of the flame-retardant properties of materials but also of the finished element, i.e. when manufacturing, for instance, sandwich elements, an appropriate certificate must exist for the base material and for the adhesive as well.
- The requirements for the condition of the base material do not differ from those for processing of standard HPL.
- The conditioning (adaption to climate) of base materials, adhesives and HOMAPAL laminates should be carried out together as usual.

The flame-retardant HOMAPAL laminates are marked on the protective foil to identify them as a special type of laminate. **This mark consists of the two letters "FF"**.

The information above has been compiled to the best of our knowledge, however, no liability can be derived from this. Subject to alteration.

**HOMAPAL Plattenwerk GmbH & Co. KG, Post Box 14 53, D-37404 Herzberg/Harz
Tel. (05521) 856-0, Telefax (05521) 856-20**

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