



K 1 + K 2 2 – Component Fire Protection System

- Forms a transparent, intumescent coating after curing
- Non-sticky
- Can be coloured with pigments
- Can be diluted with water
- Very effective, even when applied in small quantities (approx. 150 - 300g / m² depending on the object)
- Low fume emissions
- Environmentally friendly (does not contain any AOX, heavy metals or solvents)

The 2-Component Fire Protection System is a newly developed fire-protection varnish, which is produced by mixing the two components K1 and K2.

The two components are generally mixed at a ratio of 1:1. Different mixing ratios result in different elastic/hardness properties. When using the product for elastic films, the quantity of K1 must be increased.

After mixing, the varnish is applied like conventional varnishes.

The mixture can be diluted with water and is suitable for adding additives (UV protection, pigments, softeners, curing accelerators, anti-foaming agents).

The mixing process takes approx. 0.5 – 2 h (depending on the formula).

The Fire Protection System cures within 24 hours at room temperature. Urea (2.5 weight %) can be added as a curing accelerator.

After curing, the product becomes a transparent intumescent fire retardant varnish.

When exposed to flames, the 2-Component fire retardant varnish forms a thick non-combustible foam barrier that protects wood and other materials from flames and the effects of extreme heat.

Hazardous Substances

Regulation:	K1: Corrosive	K 2: Does not require labelling
pH-Value:	K1: approx. 1.5	K2: 8 – 9
Storage:	The active agents of these products do not need to be protected from frost	
Active agent guarantee:	Active for a minimum of 1 year when stored in a closed container	
Safety precautions:	Protect eyes, face and hands (gloves, goggles) when working with K1. Provide sufficient ventilation and wear facemask when applying product at high concentration to large areas using spraying equipment. Cover all flooring that is not resistant to acid.	

For further information, please request the safety data sheet for this product.