

# FLORIMP K

Technical data sheet

## Flame retardant finish for cellulose, synthetic and wool fibres and their mixtures

**Certified in accordance with DIN 4102, BI as a fire retardant building  
material for cellulose and polyester fibres**

Test centre: Materialprüfungsanstalt - Universität Stuttgart — Otto-Graf-Institut  
Test certificate no.: P-BWU03-I-16.5.271 dated 16.12.05  
Properties: **Highly concentrated, non-halogen, extremely skin-compatible flame  
retardant finish** for cellulose fibres, wool, polyacrylonitrile, polyester  
and blends of synthetic fibres with cellulose fibres and wool, also  
Tyvek materials (paper), sequins, lurex fabrics etc.  
Good effect with low application quantities.  
No or only minimum afterglowing.  
No or only minimum effect on product feel, with the exception of polyester and  
polyacrylonitrile fibres.

**Special application:** Artificial flowers and artificial green plants, including ilex, ficus, willow,  
dracena, fern etc., and decorative materials in general (test certificate LGA for  
artificial plants).  
**The aforementioned B1 test certificate can be applied to all artificial  
plants.**

**Composition:** Clear aqueous solution of a phosphorus-nitride compound

Ordinance on Hazardous

Substances: No labelling required  
pH value:  $6+ / -0.1$  at 20°C

Solubility: Can be diluted with water.

Storage: Store in a cool, frost-free place.

Active substance

guarantee: At least 12 months in a sealed container.

Note: There is a risk of corrosion if the product comes into contact with base metals.

FLORIMP K is hygroscopic. In unfavourable climatic conditions, particularly  
high air humidity, this may affect the feel of the product. Particularly when  
applied to synthetic fibres with a low absorption capacity, crystals or staining  
may appear on the fabric.

Gently spraying with a fine water mist should be sufficient to remove crystals  
or staining from decorative items (e.g. green plants).

**Application rates:** The application rate depends on the type and thickness of the fabric. The  
highly concentrated product can be diluted with water to achieve the desired  
concentration. **Preliminary flame tests are required.**

**Processing:** **Fabrics:** use the Foulard procedure (request application sheet) or immersion  
impregnation with spin-off of the material up to 60 - 70 % residual moisture.  
**Decorative items:** soaking/immersion: allow to dry in suspended position

Spraying (see protective measures): thoroughly spray both sides of the suspended material/fabric. In the case of sensitive fabrics, apply to the back side only.

**Drying temperature:** Room temperature or max. 130 °C. Care must be taken with light materials.

**Protective measures:** Protect hands and face when spraying (gloves, simple mask, safety goggles). When spraying large areas with high concentrations of the product, make sure that there is adequate ventilation and wear a mask (pH6). Cover floor coverings that are sensitive to acid.

