



# COLORIMP<sup>®</sup>

Special flame retardant

## Technical Data Sheet

### Flame retardant additive for paints, binders, resin polymers, ink, carpet backcoating

<b>Properties:</b>	Highly concentrated, halogen-free special flame retardant additive for paints, binders, inks, backcoating for fabrics and carpets.						
<b>Composition:</b>	Aqueous dispersion of a flame retardant compound based on inorganic and organic phosphorus compounds						
<b>Hazardous Substances Regulation:</b>	Does not require labelling						
<b>Toxicology information:</b>	Non-toxic, non-carcinogenic, non-mutagenic, heavy-metal free Does not cause any skin or eye reactions No known sensitising effects						
<b>pH-Value:</b>	7 – 8						
<b>Viscosity:</b>	Approx. 6500 mPas						
<b>Solubility:</b>	Can be dissolved in cold water as required						
<b>Active agent guarantee:</b>	Active for a minimum of 6 months when stored in a closed container						
<b>Storage:</b>	Protect against frost						
<b>Quantity required:</b>	The quantity required depends on the material for which the flame retardant is to be used. Depending on the material used, 10 – 50 % of the flame retardant can be worked into the base material. Preliminary flame tests must be conducted, as the required quantity also depends on the relevant fireproofing requirements. Example: <table><tr><td><b>Caparol binder (original):</b></td><td><b>15 – 20 %</b></td></tr><tr><td><b>Coloured paint:</b></td><td><b>minimum of 20 – 25 %</b></td></tr><tr><td><b>Poster paints (e.g. Hatocell)</b></td><td><b>25 – 30 %</b></td></tr></table> Flame tests must be performed.	<b>Caparol binder (original):</b>	<b>15 – 20 %</b>	<b>Coloured paint:</b>	<b>minimum of 20 – 25 %</b>	<b>Poster paints (e.g. Hatocell)</b>	<b>25 – 30 %</b>
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<b>Application:</b>	The flame retardant is applied by carefully stirring it into the base material at room temperature. If required, the paint with the flame retardant can be diluted with water to achieve the required viscosity. The base material with the flame retardant will dry at room temperature, but must not be exposed to temperatures exceeding 100 - 120°C.						
<b>Special tip:</b>	<b>Flame retardant paints ensure that Tyvek papers / fabrics, newspapers and fabrics will not burn, even if the subsurface to which they have been applied has not been treated with a flame retardant.</b>						

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