


New Technologies in Alkyd Resins

160 01 MNV 98 (Soya) y
180 01 MNV 98 (Linaza)



A decorative graphic of blue liquid splashing in the top left corner.

As is widely known, in developed regions the use of alkyd resins has been reduced, especially for architectural applications. Today the trend is to replace these products with water-based polymeric dispersions, when possible and when not, the reformulations of alkyd resins have led to the avoidance of polluting materials in the environment and high solids products.

MULTIQUIMICA has recently developed long alkyd resins with a solid content of 100%. These materials, where the Pb compound has been eliminated as an alcoholysis catalyst and where non-HAPs reflux solvents are also used instead of Xylene, are products that, contrary to what might be assumed, have a very low packing viscosity. Gardner packing viscosities can range from V to Y and those reduced to 70% solids in White Spirit with less than 1% aromatic content, do not exceed the B-D range.

These products, with a content of **volatile organic compounds** close to zero, contribute to **caring for the environment**, which is so necessary today.

They have wide applications as latex paint modifiers where chalk resistance, flexibility and adhesion are necessary to enhance the properties of a water-based paint system where low or zero VOC polymers are used.

However, this is not the only application of this type of 0-HAPs polymers. With them, stains and varnishes with resistance to blistering and fast-drying can be formulated without the addition of solvents due to their low viscosity and Newtonian behavior.

Likewise, this new family of **polymers developed based on soybean or linseed oil can be used to formulate printing inks and primers for steel structures** where the use of Zn and Mg phosphates as anticorrosive pigments allows reaching more than 1500 hours of saline fog.

If you need further information or sample request, please do not hesitate to contact us:

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