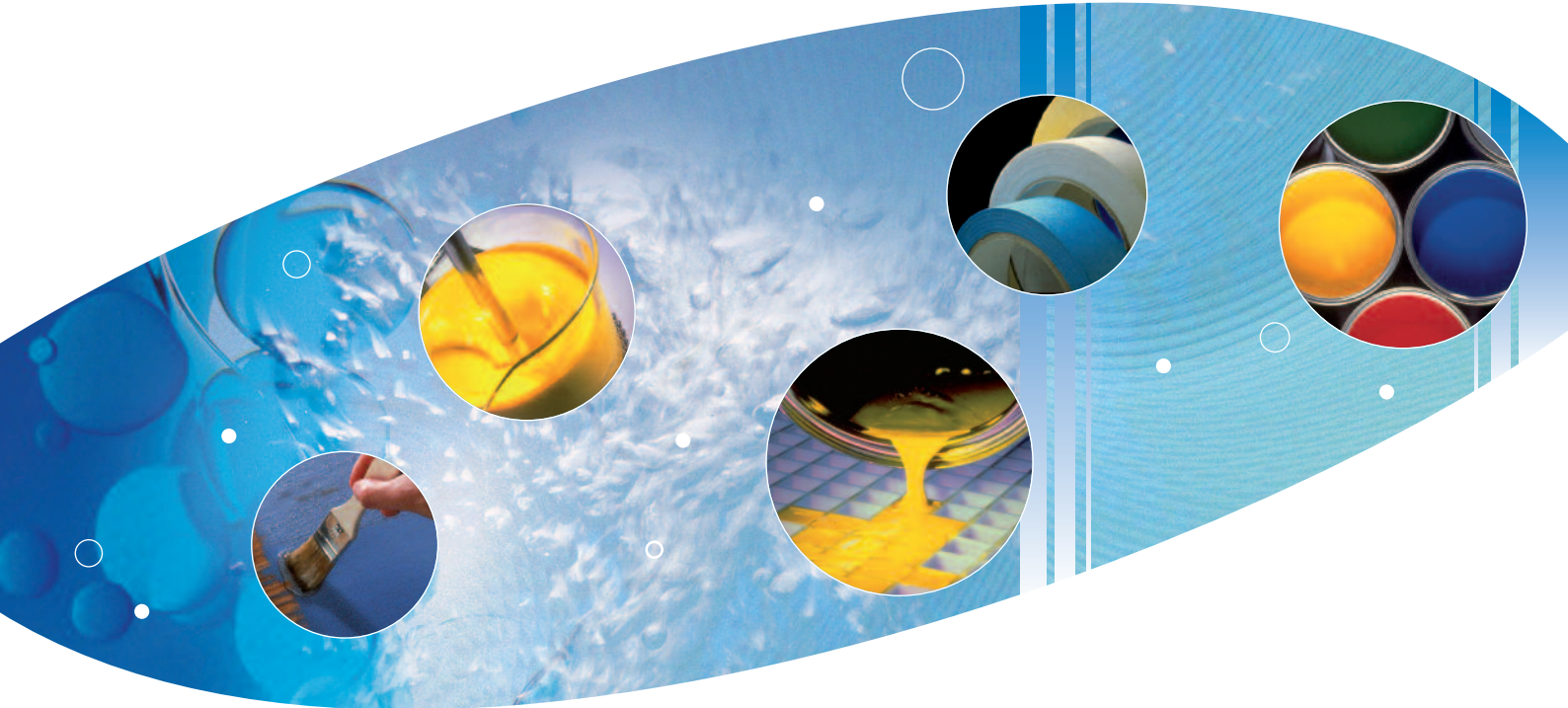


THE NEW PHENOL AND OXIME FREE ANTISKIN AGENT FOR ALKYD PAINTS



Alpamine® AS1 is a new non CMR blend to substitute MEKO (Methyl Ethyl Ketoxime).

Alkyd paints require an additive to prevent from skin formation before and after the opening of the can and without disturbing the drying time.



Alpamine® AS1... brings more benefits:

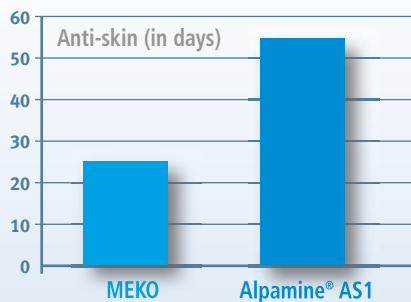
- **Outstanding efficiency versus MEKO:** the required content can be divided by 2 or 3 compared to MEKO.
- **Cost competitive versus MEKO:** thanks to a low dosage and the raw material integration of Arkema, we can guarantee a minimum extracharge versus the usual oxime based additives.
- **Well adapted to cobalt free dryers:** thanks to the active component DEHA (diethyl hydroxylamine), Alpamine® AS1 is efficient whatever is the dryer kind.
- **Good results with high dry contents and water inclusion alkyd resins:** Alpamine® AS1 is soluble in water and hydrocarbon solvents.
- **Efficient drying kinetic:** Alpamine® AS1 is the last issue formulation of Arkema improved in drying time compared with former versions.
- **Arkema patented technology.**

Alpamine® AS1 physical properties

	Density	Vapor pressure at 50°C	Flash point (closed cup)	Boiling point	Water solubility
MEKO	0.92	1.3 – 1.9 kPa	62°C	152°C	110 g/l
ALPAMINE® AS1	0.88	0.3 kPa	66.5°C	181.5°C	Totally soluble

- Alpamine® AS1 has a significantly lower vapor pressure than MEKO
- Alpamine® AS1 is clearly a non flammable labelled product (flash point above 60°C)

Anti-skin effect



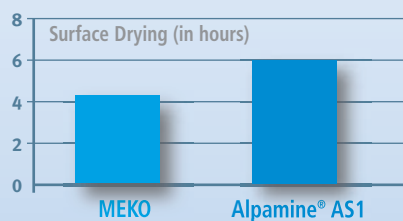
Method

100 ml of paints are placed in 125 ml containers. Containers are closed with a screwing down lid and kept at ambient temperature. Every days, containers are opened to observe if there is or not skin formation at the surface of the paint.

Paint formulation

Average results with classical and high dry content alkyds, cobalt siccatives and average anti-skin content of 0.2%.

Drying time

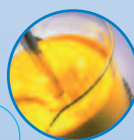


Method

Drying time values have been measured with a Labomat instrument BK-03. The Labomat method has been used. Measurements have been conducted in an air conditioning room at 21°C and a humidity content of 50%. The diagram mentions the c value (start of bulk drying).

Paint formulation

Average results with classical and high dry content alkyds, Cobalt siccatives and average anti-skin content of 0.2%.



The information contained in this document is based on trials carried out by our Research Centres and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the product or products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.



The world is our inspiration

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