



Anti-skinning agent

Description

Borchi[®] Nox 55 is the 55 % solution of a synthetic organic product in white spirit and is free from phenolic resins.

Borchi[®] Nox 55 is virtually colourless, has a mild odour and is characterised by outstanding efficacy in clear lacquers and pigmented paints based on drying oils, alkyd resins, epoxy esters and other refined drying oils.

Borchi[®] Nox 55 is used in air- and stove-drying paint systems.

Characteristic data

Appearance:	clear, low-viscous, colourless to slight yellowish liquid	
Colour, Gardner:	1 - 2	ISO 4630 - 1981
Viscosity (20 °C), mPa·s:	3 - 10	ISO 3219 (A) - 1994
Refractive index (23 °C), nD:	1.43 – 1.44	DIN 51423 - 1975
Density (20 °C), g/cm ³ :	0.83 – 0.86	DIN 51757 (A) - 1994
Flash point, °C:	> 55 (typical)	
Solvent:	white-spirit with < 1 % aromatics	

Properties

As a result of its excellent efficiency, **Borchi[®] Nox 55** enhances the gloss and flow properties of air- and stove-drying systems. Wrinkle formation with wrinkle-finish paints containing oil is not adversely affected. **Borchi[®] Nox 55** has very little effect on initial drying but promotes through-drying of the paint film.

In stoving paints **Borchi[®] Nox 55** enhances the gloss and flow properties of the paint film by prolonging the open time.

With **Borchi[®] Nox 55**, no discoloration occurs under the effect of light and heat.

Applications

Borchi[®] Nox 55 is used in clear lacquers and pigmented paints based on drying oils, alkyd resins, epoxy esters, etc.

Borchi[®] Nox 55 is used in both air- and stove-drying systems.



Use and Dosage

Borchi® Nox 55 is easy to use and is simply stirred gently into the coating. In view of the tendency of **Borchi® Nox 55** towards evaporation, we recommend that it is incorporated just before the finished paint is poured into the can. Simultaneous addition with driers is also to be avoided.

Storage of paints modified with **Borchi® Nox 55** in open containers results in evaporation losses which counteract the anti-skinning action.

Additions of **Borchi® Nox 55** are dependent on the particular paint system and its tendency towards skinning. The optimum dosage should be determined beforehand in trials.

For guidance, the dosages below (in each case relative to the finished paint) were determined in Applications Development trials and from practical experience.

It should be borne in mind that pigmented paints require on average 30 % higher additions of **Borchi® Nox 55** than clear coating systems.

We recommend the following dosages:

lean oils	0.2 - 0.3 %
medium-oil alkyd resin paints	0.3 - 0.4 %
long-oil clear lacquers and long-oil, fast drying alkyd resin paints	0.4 - 0.6 %

Storage

Borchi® Nox 55 is sensitive to certain storage conditions and must not be stored in containers made of copper, brass or lead. Iron, zinc and tin are unlikely to have a detrimental effect on the efficacy of the product. Glass and aluminium containers are especially suitable.

Storage in open containers is to be avoided on account of the tendency towards evaporation.

Protect from the effects of weathering and store at temperatures between 5 and 30 °C.

Once opened, containers should be resealed immediately after each removal of the product.

Safety

Borchi® Nox 55 causes skin irritation and must therefore not be allowed to come into contact with the skin or the mucous membranes. In the event of the slightest contamination, affected regions need to be cleaned immediately and thoroughly.

Good ventilation is essential when applying **Borchi® Nox 55**.

Please refer to our safety data sheet for further information relating to product safety.

Updated: 25.02.2009

OMG Borchers GmbH

Berghausener Str. 100 / 40764 Langenfeld / Telephone: +49 (0) 2173 – 39 26 666
Fax: +49 (0) 2173 – 39 26 999 / Internet: www.borchers.com / E-Mail: info.borchers@eu.omgi.com

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