



Thickener for paints with heavy pigments

Description

Borchi® Set 134 is an anti-settling agent which also acts as a viscosity adjuster. **Borchi® Set 134** is suitable for paints containing solvents and effectively inhibits formation of hard sediments, even when heavy pigments are used.

Characteristic data

Appearance:	gel-like consistency	
Colour:	greenish	
Density (20 °C), g/cm ³ :	0.94 – 0.98	DIN 53 217 (pycnometer)
Non-volatile content, %:	55 - 60	ISO 3 251 (2g, 3h, 105 °C)
Flash point, °C:	> 61 (typical)	
Solvent:	white-spirit with < 1 % aromatics	

Properties

- easy to incorporate with conventional high-shear dispersing machines
- thickening and thixotropic effects unaffected by temperature
- wetting of pigments and fillers or metal powders
- reduces paint's tendency to run on vertical surfaces
- higher film strength during application
- considerably reduces gas formation with zinc-rich paints
- no effect on drying, hardness, gloss and weathering resistance

Applications

With its anti-settling action, **Borchi® Set 134** is an excellent suspending agent for pigments and fillers. It is also highly effective when used with heavy pigments and metal powders, offering particular advantages in zinc-rich paints for example.

Borchi® Set 134 is an effective thixotropic agent and thickener for paints based on cold-curing epoxy resins, epoxy resin esters, alkyd resins, chlorinated and cyclised rubber, DD systems, vinyl resin polymers and copolymers.

Use and Dosage

Although **Borchi® Set 134** can be incorporated into paints by all conventional means, addition of the paste to the mill base is recommended. For its incorporation into zinc-rich paints, a high-speed mixer should be used. Empirically determined additions are generally between 1 and 3 %. The optimum dosage depending on the nature and extent of the tendency towards sedimentation should nevertheless be determined beforehand in trials.



Guideline formulations

	primer I	primer II
epoxy ester D 4	155	-
Alftalat AM	380	137
white spirit	65	100
xylene	40	80
butanol	20	-
zinc dust	690	-
zinc chromate	-	274
Milicarb	-	41
iron oxide red	-	329
<i>Octa-Soligen® Drier 173</i>	10	27
<i>Borchi® Nox 55</i>	10	7
Borchi® Set 134	10	5
total	1000	1000

The viscosity of the primers is adjusted using **Borchi® Set 134** to a better consistency for application. Sedimentation of pigments is effectively inhibited.

Storage

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

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

Updated: 25.02.2009

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