

# Hydropalat® SL 3697

**general**

Hydropalat® SL 3697 is an aqueous dispersion of metallic soaps and non-ionic surfactants for the use in water-based coating, inks, paints and cement systems

**chemical nature**

aqueous dispersion of a metallic soap

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**Properties****physical form**

white liquid

**storage**

Hydropalat® SL 3697 should be protected from low temperatures in transit and storage.

Storage at room temperature is recommended.

Avoid to store the product at temperatures below 0°C. Freezing seriously damages Hydropalat® SL 3697.

It is advisable to avoid prolonged storage at extreme temperatures. Containers should be kept tightly closed when not used to avoid evaporation losses.

**typical properties  
(no supply specification)**

water content (DIN EN 13267)	~ 50 %
solids content	~ 50 %
density (25°C, UNE 55-702)	~ 1.04 g/cm <sup>3</sup>
pH value (2% in water, 20°C)	~ 10
viscosity (25°C, RVT, ISO 2555)	max. 200 mPa·s

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**Application**

Hydropalat® SL 3697 imparts plasticity and workability to concrete, giving a denser, more durable, water-tight concrete. Added to cement, cement paints and concrete it imparts also excellent water repellency. The lubricant effect of Hydropalat® SL 3697 improves the application of coatings and imparts a better finish to coated papers.

Hydropalat® SL 3697 also reduces cracking in the dry coating, and improves printability.

Added to water-based wood clear coatings and paints, Hydropalat® SL 3697 improves, scratch resistance, hydrophobicity and sandability. In water based OPV's and clear coatings, Hydropalat® SL 3697 can also support slip properties and improve the matting effect in dry films. It is also very effective as a mold release agent and as an anti-tack compound for stored slabs, sheets and extruded articles.

**recommended concentrations**

1.0–5.0 % of Hydropalat® SL 3697 calculated on the total formulation.

It can be added in any stage of the manufacturing process.

In wood coatings, sanding generates heat then the film becomes soft and the sanding paper sticky. Stickiness may be avoided by addition of 1-3% of Hydropalat® SL 3697.

**Contacts worldwide****Asia**

BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

**North America**

BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

**Europe**

BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

**South America**

BASF S.A  
Rochaverá - Crystal Tower  
Av. das Nações Unidas, 14.171  
Morumbi - São Paulo-SP  
Brazil  
[formulation-additives-south-america@basf.com](mailto:formulation-additives-south-america@basf.com)

**Validity**

This Technical Data Sheet is valid for all versions of the Hydropalat® SL 3697.

**Safety**

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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