

# Dispex® HIDE AA 4545

## General

Dispex® HIDE AA 4545 is an anionic dispersing agent based on polyacrylic acid which is especially designed to maximize the utilization of titanium dioxide in combination with fillers and extenders in architectural coatings.

## Chemical nature

carboxyl-functional polymer, sodium salt in water

## Properties

### Physical form

water clear to slightly yellowish liquid

### Technical data

(not supply specification)

Solid content	DIN EN ISO 3251	44.0 - 46.0 %
pH value	DIN ISO 976 (as such)	8.0 – 9.0
Viscosity, dynamic	DIN EN ISO 3219 (23 °C, Spindle 3, 100 1/s)	300 - 700 mPa.s
	DIN EN ISO 2555 (RV) (Spindle 3, 100 1/min)	350 – 700 mPa.s
Density	ISO 2811-1 (20 °C)	~ 1.25 g/cm <sup>3</sup>

---

## Application

Dispex® HIDE AA 4545 is a hydrophilic type dispersing agent for titanium dioxide, fillers and extenders to be used in decorative coatings that makes best use of the white pigment. This leads to improved hiding power and spreading rates in a variety of formulations or cost savings on equal performance. The product is especially designed to be used in combination with the other components of the opacity toolbox like Acronal® HIDE 6296 and AQACell® HIDE 6299 to create most economical high-quality paints.

## Recommended concentrations

0.2 - 1.0% calculated on total formulation

The dosage depends on the kind and amount of pigments. Incorporation prior to the addition of pigment and fillers is recommended.

---

## Storage

Store protected against freezing.

### Contacts worldwide

Asia  
BASF East Asia Regional Headquarters Limited  
36/F, Two Taiko Place,  
Taikoo Place,  
979 King's Road,  
Quarry Bay, Hong Kong  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

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

South America  
BASF S.A  
Rochavérá - 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 Dispex® HIDE AA 4545.

### Safety

When handling this product, 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.

® = Registered trademark

™ = Trademark of the BASF Group, unless otherwise noted

[www.basf.com/formulation-additives](http://www.basf.com/formulation-additives)