

SYNTHEBOND 4530 is a specially modified, aqueous dispersion of a styrene-acrylic ester copolymer intended to achieve good wet adhesion.

The dispersion contains an anionic emulsifier system and is free from film forming aids, solvents, plasticizers, and ammonia.

For further information regarding this product please refer to:

Construction Synthomer

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Property	Typical Value	Unit	Method ¹
Solids Content	50	%	ISO 3251
pH Value	7.5 - 8.0		ISO 976
Viscosity (23°C, 100 1/s)	100 - 250	mPa s	ISO 3219
Glass Transition Temperature	26	°C	
Density	8.68	lb./gal	
Minimum Film-Forming Temperature	19	°C	
Water Absorption (24h)	10 - 15	%	
Tensile Strength	11	N/mm ²	
Elongation at Break	600	%	

¹ internal method based upon the specified norm

Key Attributes

- Excellent tensile strength and elongation properties.
- Excellent water resistance.
- Excellent adhesion promotion to multiple top coats, including difficult to adhere materials.
- Early strength development and fast dry characteristics.

Application Advice

SYNTHEBOND 4530 is preserved against bacterial and fungal attack. In the manufacture of finished products, the material has to be retreated, as usual, with suitable biocides to give enhanced preservation.

Above the minimum film forming temperature, SYNTHEBOND 4530 forms a clear, tack-free, and water-resistant film characterized by good light, ageing and alkali resistance. Due to a special modification the dispersion forms a true chemical bond, notably to mineral substrates, resulting in very good adhesion, especially wet adhesion.

Shipping and Storage

This product is supplied in road tankers or in non-returnable plastic drums secured by a lid with clamping ring or in non-returnable palletized bulk containers (net volume 1000 L). The product must be protected from frost and exposure to direct sunlight. Storage temperatures between +5 °C and +30 °C are recommended. The product contains in-can preservation to protect it against microbiological attack during transportation. For protection against microbiological contamination during storage stringent plant hygiene is essential. Depending on the storage conditions addition of suitable preservatives may be necessary. Care must be taken that drums and containers are properly closed. During storage, shipping and handling contact with metal surfaces that are not corrosion protected must be avoided. When stored properly, the product has a shelf life of 12 months from the date of delivery.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.