

## SiwoPUD<sup>®</sup>-OH-1538

**Characteristics:** Aqueous, aliphatic hydroxy-functional polyurethane dispersion based on polyester.

**Supplied as:** 35% in water

<b>Physical characteristics:</b>	Appearance	White translucence
	Non-volatile constituent	35±1 %
	OH content (solvent free)	2.5%
	PH value	7.5 - 9.5
	Viscosity	≤300 mPa s
	Mean particle size	≤100 nm
	Minimum film-forming temperature	5°C
	NMP, NEP, DMAC	Free
	Dry/touch	≤60min
	Dry/through	≤120min
	Yellowing resistance	Non- yellowing
	Shear stability	good

**Storage:** The dispersion should be stored in a frost-free place in tightly sealed containers. It contains no preservative.

**Application:** It contains high hydroxyl content and mainly be used in 2-pack systems with water-dispersible polyisocyanate crosslinker or be combined with an amino resin to formulate water-dilutable stoving coatings and primers which cure at approx. 120-130°C. It is suggested that OH-PUD-1538 dispersion is crosslinked with 20-25% water-dispersible polyisocyanate to maximize performance properties after 5-7 days. The dispersion is not suitable for 1-pack systems.

After air-drying, the coatings based on 2-pack systems show more excellent surface hardness, more excellent abrasion resistance, more excellent water resistance, and more excellent chemicals resistance.

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication. Nothing herein is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the users to determine the applicability of such information or suitability of any products for their own purposes. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such is free of patent infringement and are not recommendations to infringe on any patent.