

KAMSONS CHEMICALS PVT. LTD.



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Technical Data Sheet

Kamthane S-1801

Kamthane S-1801 is an aliphatic urethane dispersion designed for filmic primer applications. The product provides excellent adhesion to a variety of plastic substrates.

Typical properties

Type	aliphatic urethane dispersion
Appearance	blueish, hazy liquid
Total solids (% w/w)	33 ± 1
pH (25 °C)	8
Viscosity Brookfield (25 °C; mPa.s)	100
Volatile	water
Neutralising agent	ammonia
Density of dispersion (20 °C; kg/l)	1.02
Freeze/thaw stability	stable

Film properties

- Excellent adhesion to a large variety of substrates
- Very high bond strength and humid seal strength when top coated with a sealable product
- Suitable for various types of top coats (inc. anionic and cationic PVdC, acrylics, urethanes, hybrids)

Recommendation for end-use

- Primer for filmic packaging industry (incl. food packaging)
- Primer for filmic label and graphic applications

Formulating guidelines

- Optimum adhesion can be achieved when substrate is (Corona) treated
- Kamthane S-1801 can be diluted with water in order to apply the required coat weight. At a very low solid content (< 5%), addition of a wetting agent might be needed for optimum wetting and adhesion
- For excellent resistances addition of a crosslinker (1-5%) (Crosslinker CX-100, Crosslinker CX-300 or water dispersible polyisocyanate) can be recommended

Safety

All relevant data have been brought up-to-date in the Material Safety Data Sheet for Kamthane S-1801.