

## ELASTOMERIC ALIPHATIC URETHANE DISPERSIONS

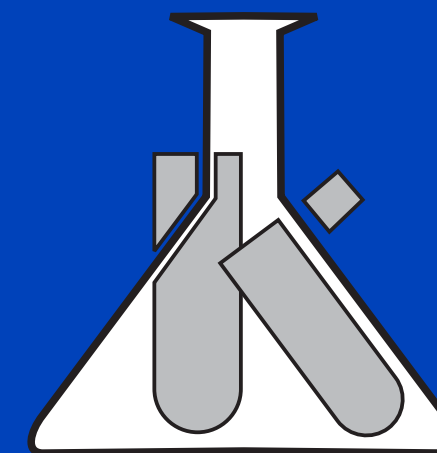
PRODUCT	FEATURES	RECOMMENDED APPLICATIONS	TYPE	VISCOSITY	SOLIDS	COSOLVENT	pH	ELONGATION	KONIG HARDNESS
Kamthane K1435E	Aliphatic Elastomeric polyurethane dispersion.	Elastomeric Paints and Coatings on flexible substrates such as concrete, wood, etc. Flexibilising resin for acrylic emulsions.	Aliphatic	100-450 cps	44%± 2	0.5% Solvent	7.0-8.5	>600%	60
Kamthane K-1437 D	High solids solvent free self-crosslinking tough aliphatic elastomeric dispersion having good tensile strength	Elastomeric waterproof membranes. Flexible facade coatings. Flexible roof coatings. Also can be used as a Flexibilising resin with acrylic emulsions.	Aliphatic	100-450 cps	45%± 2	NIL Solvent	7.0-8.5	>550%	70
Kamthane K-1432	Solvent free Elastomeric flexible, Aliphatic polyurethane dispersion for use in a wide variety of applications.	Leather and latex glove coatings.	Aliphatic	100-450 cps	40%± 2	NIL Solvent	7.0-8.5	>550%	50
Kamthane K-1400 S	Silicone modified non-ionic selfcrosslinking solvent free elastomeric flexible coating. Excellent water beading & repellent properties. Good solvent resistance.	Elastomeric durable membrane & paints. Leather coatings and for use in a wide variety of applications.	Aliphatic	100-450 cps	45%± 2	NIL Solvent	7.0-8.5	>650%	40
Kamthane 955 MC	Moisture cure aliphatic 1 k pigmented membrane. HIGH SOLIDS	Exterior Elastic high tensile waterproofing pigmented membrane. Roofs, car parks etc...	Aliphatic	4000-6000 cps	95% ± 2	5% solvent	N/A	>300%	Shore A 80

## OTHER SPECIALTY POLYURETHANE DISPERSIONS

PRODUCT	FEATURES	RECOMMENDED APPLICATIONS	TYPE	VISCOSITY	SOLIDS	COSOLVENT	pH	ELONGATION	KONIG HARDNESS
Kamthane K-2610	Aromatic polyurethane dispersion for various coating Industries	Especially designed for the flooring industry with hard & soft segment backbone giving good overall properties.	Aromatic Pure	100-300 cps	33%± 2	8% NMP	7.0-8.5	>300%	170
Kamthane K-2833	An aromatic hybrid polyurethane dispersion having outstanding abrasion and chemical resistance.	Parquet flooring. Hard, tough with a good degree of flexibility. Excellent alcohol and saponification resistance	Aromatic Hybrid	100-300 cps	33%± 2	6.9% NMP	7.0-8.5	>200%	160
Kamthane K-2840	Similar to the K-2833 Version, but <b>NMP-free</b>	Parquet flooring. Sports & Basketball floor.	Aromatic Hybrid	100-300 cps	33%± 2	6.9% NEP	7.0-8.5	>200%	160
Kamthane K-2016	Aliphatic film forming hard PU Hybrid dispersion, with good overall properties for masonry, metals & multi substrates. Early water resistance & hardness development.	Excellent overall properties, with very high hardness for various substrates like concrete, wood etc.	Aliphatic Hybrid	100-300 cps	37%± 2	4.5% NMP	7.0-9.0	>200%	160

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# Kamsons Chemicals Pvt. Ltd.

ISO 9001:2008 CERTIFIED COMPANY

# Waterbased Polyurethane Dispersions

*Exploiting the power of polymers...*

## ALIPHATIC POLYURETHANE DISPERSIONS

PRODUCT	FEATURES	RECOMMENDED APPLICATIONS	TYPE	VISCOSITY	SOLIDS	COSOLVENT	pH	ELONGATION	KONIG HARDNESS
<b>Kamthane K-1492</b>	High performance dispersion with superior Hardness, Water and Chemical Resistance. Good U.V. Resistance.	Parquet floor lacquers, floor and wall coatings, paper coatings, multi surface coatings.	Aliphatic	100-380 cps	33% ± 2	8.0% NEP	7.0-9.0	>200%	160
<b>Kamthane K-164PP</b>	Good adhesion & abrasion resistance, hardness and flexibility. Good clarity & gloss with inherent flow & levelling. Gives "Anfeuerung" effect. Must be tried anywhere clarity and fast cure in a high-build finish are wanted. Good water and alkali resistance. Good overall resistance to cleaning chemicals. <b>NMP free</b>	Wood floor coatings, e.g. parquet, timber sports floors. Furniture and other wood coatings. Glass and ceramic coating. Anti-Graffiti coatings due to outstanding overall chemical resistance & fast cure. Good top coat for leather. High performance water based PU Enamels.	Aliphatic	150-500 cps	33% ± 2	7.9% NEP	7.0-9.0	>200%	200
<b>Kamthane PC 350</b>	Polycarbonate PU dispersion, with good Hardness & flexibility. <b>NMP free</b>	Parquet floor lacquers, Floor and wall coatings, paper & leather coatings, multi surface coatings	Poly carbonate Aliphatic	150-400 cps	34%± 2	8.0% NEP	7.0-9.0	>200%	160
<b>Kamthane K-168 SF</b>	SOFT HANDLE property. Scratch resistant, hard & flexible. Good water & alkali resistance. Good Flow properties. Excellent optical clarity and adhesion to many substrates. <b>NMP free</b>	High end leather top coats. Wood coatings. Anywhere high performance and soft handle wanted eg. furniture, leather, etc. Excellent solvent resistance.	Aliphatic	150-500 cps	34%± 2	8.1% NEP	7.0-9.0	>200%	180

## POLYCARBONATE ALIPHATIC HYBRID SELF-CROSSLINKING URETHANE DISPERSIONS

PRODUCT	FEATURES	RECOMMENDED APPLICATIONS	TYPE	VISCOSITY	SOLIDS	COSOLVENT	pH	ELONGATION	KONIG HARDNESS
<b>Kamthane PC 4601</b>	Polycarbonate Aliphatic Hybrid, low VOC PU dispersion. Good Hardness and Clarity.	1 K system for clear direct to concrete coatings. Superior hot tyre resistance. Excellent water, alkali and UV resistance. Good imprint resistance. Also for high build clear films on pebbled concrete driveways & warehouses	Poly carbonate Aliphatic Hybrid	100-400 cps	38%± 2	0.9 % Solvent	7.0-9.0	>100%	150
<b>Kamthane PC 4650</b>	Aliphatic Hybrid. Cost effective, low VOC, Hard yet flexible PU dispersion. Very early hardness development	1 K system for Pigmented direct to concrete flooring. This has excellent adhesion and hot tyre resistance. Garage floors, warehouses & concrete driveways. DIY market for trafficable coatings	Poly carbonate Aliphatic Hybrid	100-450 cps	37%± 2	0.9 % Solvent	7.0-9.0	>200%	130
<b>Kamthane PC 475</b>	Aliphatic, hard yet flexible hybrid for various applications. Good solvent resistance & stain resistance	Floor coatings, wood coatings. Good exterior durable for façade coatings. Good dirt pick up resistance	Poly carbonate Aliphatic Hybrid	250-780 cps	35%± 2	NIL Solvent	7.0-9.0	>200%	140
<b>Kamthane PC 264 S</b>	Silicone modified solvent free hybrid which has excellent Water resistance/ repellence. Good solvent resistance. Cost effective	Wood coatings, timber coatings, masonry substrates	Poly carbonate Aliphatic Hybrid	100-380 cps	35%± 2	NIL Solvent	7.0-9.0	>200%	130
<b>Kamthane PC 7030</b>	Unique Non-ionic, solvent free Aliphatic PU-acrylic Self-Crosslinking Hybrid.	Excellent overall properties , with good properties for various substrates	Poly carbonate Aliphatic Hybrid	150-500 cps	38%± 2	NIL Solvent	7.0-9.0	>100%	140

## ALIPHATIC SOLVENT FREE POLYURETHANE DISPERSIONS

PRODUCT	FEATURES	RECOMMENDED APPLICATIONS	TYPE	VISCOSITY	SOLIDS	COSOLVENT	pH	ELONGATION	KONIG HARDNESS
<b>Kamthane PC500 S</b>	Silicone modified solvent free Polycarbonate PU dispersion. Excellent UV resistance & durability. Outstanding water repellent & beading properties	For premium performance in wide range of high end applications. Masonry substrates , timber & wood coatings	Poly carbonate Aliphatic	150-500 cps	34%± 2	NIL solvent	7.0-9.0	>250%	150
<b>Kamthane PC 420 D</b>	Solvent free Polycarbonate product for multiple applications. Excellent durability and adhesion with good mix of hardness & flexibility.	Multipurpose high performance applications	Poly carbonate Aliphatic	150-450 cps	34%± 2	NIL solvent	7.0-9.0	>200%	170
<b>Kamthane 1428</b>	Solvent free general purpose PU dispersion.	For various application in multiple industries	Polyester/ polyether Aliphatic	150-500 cps	34%± 2	NIL solvent	7.0-9.0	>200%	150
<b>Kamthane S-1801</b>	Solvent-free PU dispersion. Excellent Flexibility and Bonding properties to various substrates esp. Plastics	Primer coating for various plastic substrates (e.g : PVDC, PVC, PP etc. incl food packaging.)	Aliphatic	100-350 cps	33%± 2	NIL solvent	7.0-9.0	>500%	20
<b>Kampos-prime 1550</b>	Water-based 2 pack Epoxy-urethane pigmented primer	Good resistance to Negative & positive hydrostatic pressure. Concrete primer/ membrane	Epoxy-urethane aromatic	20,000-50,000 cps (mixed)	50%± 2	NIL solvent	8.5-10.0	N/A	N/A

## ALIPHATIC HYBRID URETHANE DISPERSIONS

PRODUCT	FEATURES	RECOMMENDED APPLICATIONS	TYPE	VISCOSITY	SOLIDS	COSOLVENT	pH	ELONGATION	KONIG HARDNESS
<b>Kamthane K-2000</b>	Aliphatic Hybrid cost effective Low VOC PU dispersion. High Hardness and Clarity	Concrete coatings. Good hot tyre resistance. Excellent water, alkali and UV resistance. Industrial Wood Coatings, good imprint resistance.	Aliphatic Hybrid	100-400 cps	40%± 2	0.9 % NMP	7.0-9.0	NA	170
<b>Kamthane K-5000</b>	Aliphatic Hybrid. Cost effective, Low VOC, Flexible & tough dispersion. High tensile.	High flexibility combined with good hardness Good abrasion, chemical and UV resistance. Very good adhesion too many substrates. Used as flexibilising resin particularly with K-2000	Aliphatic Hybrid	100-450 cps	37%± 2	0.9 % NMP	7.0-9.0	>300%	110
<b>Kamthane K-3120</b>	High solids cost effective aliphatic self-crosslinking acrylic urethane hybrid for light traffic concrete floors & driveways as clear coats.	For concrete flooring as a 1K system, has excellent adhesion to concrete surfaces & all masonry substrates. DIY Market	Aliphatic Hybrid	250-780 cps	40%± 2	0.5% Solvent	7.0-9.0	NA	150
<b>Kamthane K-4500</b>	High solids, good hardness & early block properties. Good Water, alkali and Abrasion resistance. Characteristic red tone greatly enhances wood finishes – gives "Anfeuerung".	Wood coatings & early sanding properties	Aliphatic Hybrid	100-380 cps	40%± 2	1.2% Solvent	7.0-9.0	NA	130
<b>Kamthane K-1600</b>	Unique Non-ionic Solvent-Free "Aliphatic PU-Acrylic Self-Crosslinking Hybrid.	Excellent overall properties , with very high hardness for various substrates like concrete, wood etc	Aliphatic Hybrid	150-500 cps	35%± 2	NIL Solvent	7.0-9.0	NA	140