Polyurethane Additives

AIR PRODUCTS

	Product	Suggested Applications* (see key below)															Typical Physical Properties					Product Description
		Flexible Foams				Rigid Foams							C.A.S.E.										
		Flexible Slabstock Foam	Microcellular/Integral Skin	Flexible and Semi-flexible Moulded Foam	Sound Deadening (NVH/Impact)	Bunstock	High Density Moulded	Pour-in-place	Appliance	Lamination	One-Component Foam	Spray Foam	Coatings	Adhesives	Sealants	Elastomers	Shoe Soles	Flash Point, PMCC (°C)	Viscosity at 25 °C (mPa.s)	Specific Gravity @ 21 °C (g/cm³)	Water Solubility	Calculated OH Number (mgKOH/g)	
Traditional Amine Catalysts	Dabco® 33-LV	•	•	•	•		•	•					•	•	•	•		>110	125	1.03	Soluble	560	Strong urethane (gelation) catalyst for multipurpose use; 33% triethylene diamine and 67% dipropylene glycol liquid.
	Dabco 1027		•														•	95	75	1.10	Soluble	1,195	Non-acid blocked, controlled-activity catalyst for MEG extended polyester and polyether systems. Exhibits delayed cream times with good back-end cure/rapid demould. Increases processing flexibility.
	Dabco 1028		•														•	104	125	1.03	Soluble	900	Non-acid blocked, controlled-activity catalyst for 1,4-Butanediol extended polyester and polyether systems. Exhibits delayed cream times with good back-end cure, enabling rapid demould, thereby increasing processing flexibility.
	Dabco 1029		•														•	>105	60	1.09	Soluble	1,170	Delayed-action tertiary amine catalyst diluted in ethylene glycol, for use in polyester-based shoe sole applications. It extends cream time and provides improved flowability, whilst maintaining fast demoulding.
	Dabco 2039	•	•	•				•				•						95	18	1.01	Soluble	415	Promotes the urethane reaction (gelation). A low-odour alternative to morpholine-based amines in flexible polyester slabstock applications and can be used in all- or high-water rigid foam applications to reduce friability/improve adhesion to various substrates.
	Dabco 2040			•	•			•				•						107	8	1.05	Soluble	543	Low-odour amine catalyst used to enhance cure and adhesion in a variety of flexible and rigid polyurethane foams.
	Dabco 8154	•	•	•	•		•	•										110	160	1.04	Soluble	548	Dabco Crystal-based, delayed-action gelation catalyst.
	Dabco B-16	•	•	•				•				•						39.5	9	0.80	P. Soluble	N/A	Polyester flexible slabstock co-catalyst for die-cuttability. Improves surface cure in flexible moulded, integral skin, rigid and spray foams.
	Dabco BDMA							•										54	90	0.91	P. Soluble	N/A	Promotes the urethane reaction and is commonly used in high-water rigid applications. For lower odour and enhanced adhesion promotion, try Dabco 2039 or Dabco 2040 catalysts.
	Dabco BL-11	•	•	•	•		•	•	•	•		•						71	4	0.90	Soluble	251	Strong urea reaction (blowing) catalyst.
	Dabco BL-13	•	•	•	•		•	•	•	•								91	41	0.98	Soluble	638	Strong urea reaction (blowing) catalyst. Diluted version of Dabco BL-11.
	Dabco BL-17	•	•	•	•	•	•	•		•								65	61	1.04	Soluble	476	Delayed-action urea reaction (blowing) catalyst; acid blocked Dabco BL-11 catalyst.
	Dabco BL-19	•	•	•	•			•	•			•						66	3	0.85	Soluble	N/A	Strong urea reaction (blowing) catalyst.
	Dabco BLV	•																78	40	1.00	Soluble	260	Performance optimized, balanced catalyst for continuous flexible slabstock foams.
	Dabco Crystal	•	•	•			•					•	•	•	•	•	•	62	NA	1.14	P. Soluble	N/A	Strong urethane reaction (gelation) catalyst for multipurpose use; high-purity triethylenediamine (TEDA).
	Dabco DC-1		•	•			•											63	400	1.19	Insoluble	689	Delayed-action tertiary amine that promotes the urethane reaction (gelation) in a variety of flexible moulded polyurethane foams. Dabco DC5LE catalyst can be used in applications requiring lower or no emissions from amines.
	Dabco DC-2		•	•										•	•			66.5	391	1.25	Soluble	603	Delayed-action tertiary amine that strongly promotes the urethane reaction (gelation) in a variety of flexible moulded polyurethane foams. Dabco DC2 catalyst has higher catalytic activity versus Dabco DC1 catalyst.
	Dabco DMDEE	•									•	•		•	•			>100	18	1.05	Soluble	N/A	Isocyanate stable, amine blowing catalyst particularly suitable for one-component and two-component rigid foam sealant systems as well as flexible slabstock foams. It provides system stability in moisture-cured polyurethane systems.
	Dabco EG		•	•													•	>100	60	1.09	Soluble	1,207	Strong urethane reaction (gelation) catalyst; 33% triethylenediamine (TEDA) and 67% ethylene glycol. Widely used in MEG extended microcellular applications.
	Dabco KTM60		•	•	•		•										•	112	217	1.16	Soluble	1,456	Non-acid blocked, controlled activity, balanced amine catalyst that provides extended cream time and rapid demould.
	Dabco KTM70		•	•	•		•							•	•	•		122	100	1.05	Soluble	1,128	Non-acid blocked, controlled activity, balanced amine catalyst that provides extended cream time and rapid demould.
	Dabco 25-S		•														•	>108	110	1.02	Soluble	934	Strong urethane reaction (gelation) catalyst; 25% triethylenediamine (TEDA) and 75% 1,4 butanediol.
	Dabco XD-102																•	99	96	1.02	Soluble	869	Tertiary amine catalyst diluted in mono-ethylene glycol. Developed specifically for use in low-density microcellular polyurethane foams to improve flowability.
	Dabco XD-103																•	>110	200	1.01	Soluble	1,003	Tertiary amine catalyst developed to enable the production of high-quality, low-density shoe soles, which can be used in both polyester and polyether microcellular systems. It provides the ability to improve surface and cell structure.
	Polycat® 5					•	•	•	•	•		•						72	3	0.85	Soluble	N/A	Strong urea reaction (blowing) catalyst; pentamethyldiethylenetriamine (PMDETA).
	Polycat 520					•				•								91	34	1.05	Soluble	846	Polycat 520 catalyst is a diluted version of Polycat 5 for ease of dosing.
	Polycat 8					•	•	•	•	•								43	2	0.87	Insoluble	N/A	Widely applicable urethane reaction (gelation) catalyst; dimethylcyclohexylamine (DMCHA).
	Polycat 9	•		•		•	•	•	•	•		•						102	6	0.87	Soluble	N/A	Low-odour, balanced catalyst for rigid and flexible moulded foam applications. Can be used as a co-catalyst with strong blow and gel amine catalysts to balance the reaction and provide a smooth rise profile.
	Polycat 12	•	•	•	•		•					•						101	10	0.89	Insoluble	N/A	Process aid to improve the cure of pour-in-place rigid and flexible foams.
	Polycat 30											•						73	4	0.80	Soluble	N/A	Low-odour, balanced amine catalyst developed for use in rigid closed cell spray polyurethane foam. It may also increase system shelf life compared to systems containing other amine catalysts like Dabco DMEA.
	Polycat 36									•								94	17	0.90	Soluble	N/A	Highly active, liquid tertiary amine that promotes a balanced urethane/urea reaction in low-water-blown rigid polyisocyanurate foams.
	Polycat 39					•												>93	120	0.99	Soluble	670	Polycat 39 catalyst is a diluted version of Polycat 41 for accurate dosage at low use level.
	Polycat 41					•	•	•	•	•								104	33	0.95	Soluble	N/A	Moderately active trimerisation catalyst with excellent blowing capability. Recommended for use as a co-catalyst with other polyurethane and polyisocyanurate catalysts.
	Polycat 58		•	•	•		•											43	3	0.88	Soluble	1,033	Low-odour, surface cure catalyst for flexible moulded foam applications.
	Polycat 77	•	•	•	•		•		•			•						92	3	0.85	Soluble	N/A	Balanced gelation and blowing catalyst that can help promote open cells in some applications.
	Polycat DBU		•				•						•	•	•	•		>96	14	1.04	Soluble	N/A	DiazoBicycloUndecene, a tertiary amine that strongly promotes the urethane (polyol - isocyanate) reaction in semi-flexible, microcellular foam, coating, adhesive, sealant and elastomer applications.
Reduced Emission Amine Catalysts	Dabco DC5LE		•	•	•		•						•	•	•	•		178	4,300	1.08	Insoluble	138	Low-emission, delayed-action co-catalyst that strongly promotes the urethane reaction (gelation) whilst maintaining cream time. It provides fast cure and long pot life in CASE applications. As Dabco DC5LE does not contribute to amine emissions, it can be used to meet automotive OEM emission specifications.
	Polycat SA2LE		•				•						•	•	•	•		94	2,600	1.03	Soluble	N/A	Delayed-action tertiary amine that strongly promotes the urethane reaction (gelation) under heat activation in microcellular, integral skin and CASE applications. It is particularly recommended for use with low activity aliphatic isocyanates.
	Polycat SA-5												•	•	•	•		50	60	1.05	Soluble	119	Strongly promotes the urethane reaction, providing very fast cure speeds. Can be used neat or as a co-catalyst. Pot life can be extended by using in conjunction with Polycat SA-8.
	Polycat SA-8												•	•	•	•		119	9,500	1.18	Soluble	258	Promotes the urethane reaction under heat activation. Provides for a very long pot life, similar to that typically achieved with mercury catalysts. If required, Polycat SA-8 can be accelerated with Polycat SA-5.
	Polycat 34					•	•	•	•	•		•						120	6	0.84	Soluble	27	Low-odour tertiary amine that primarily promotes the urethane reaction (gelation) in rigid foam formulations. Polycat 34 can be used to replace Polycat 8 catalyst when low odour or improved EH&S is required.
Non-Emissive Amine Catalysts	Dabco BA305			•														>95	68	1.22	Soluble	164	Non-emissive additive to be used in combination with Dabco NE1090 gel catalyst to help maintain physical properties of TDI moulded foam after humid aging.
	Dabco NE1070		•	•	•		•						•	•	•	•		168	1,200	1.06	Soluble	730	Non-emissive (NE) urethane reaction (gelation) catalyst for MDI and TDI flexible moulded foam.
	Dabco NE1082	•		•									•	•	•	•		105	280	0.95	Soluble	495	Non-emissive urethane reaction (gelation) catalyst for MDI and TDI flexible moulded foam.
	Dabco NE1090			•														>93	140	0.98	Insoluble	119	Non-emissive urethane reaction (gelation) catalyst for flexible moulded foam that helps improve physical properties of the foam after humid aging in both TDI & MDI formulations.
	Dabco NE1095			•									•	•	•	•		>110	44	0.88	Soluble	381	Non-emissive urethane reaction (gelation) catalyst for MDI and TDI flexible moulded foam. Does not corrode polycarbonate.
	Dabco NE300	•	•	•	•		•	•				•						124	9.2	0.91	Soluble	276	Non-emissive urea reaction (blowing) catalyst for MDI and TDI flexible moulded, semi-flexible and slabstock foams. Meets Thermodesorption Method VDA 278 for VOC and FOG.
	Dabco NE650	•																>100	60	0.94	Soluble	430	Non-emissive balanced urethane/urea reaction catalyst for all types of flexible slabstock foam.
	Dabco NE660	•																> 93	200	0.95	Soluble	480	Non-emissive balanced urethane/urea reaction catalyst for all types of flexible slabstock foam.
	Dabco T	•	•	•	•		•	•	•	•		•						89	7	0.91	Soluble	387	Non-emissive amine which is more selective to the urea reaction (blowing). Due to its reactive hydroxyl group, it readily reacts into the polymer matrix. It can be used in flexible and rigid systems where a smooth blowing profile is required.
	Polycat 140											•						89	7	0.94	Soluble	413	Non-emissive amine designed for low-density, water-blown, open cell spray foam.
	Polycat 15	•	•	•			•	•				•						88	5	0.86	Soluble	282	Isocyanate-reactive, balanced urethane/urea reaction catalyst. Promotes surface cure.
	Polycat 17			•	•			•										95	12	0.92	Soluble	353	Isocyanate-reactive, low-odour, balanced urethane/urea reaction catalyst.
	Polycat 31											•						88	4	0.84	Soluble	298	Non-emissive amine designed for low-density, water-blown, open-cell spray foam.
	Polycat 37		•	•				•				•	•	•	•	•		86	8	0.95	Soluble	419	Non-emissive amine designed for low-density, water-blown, open-cell spray polyurethane foam.
Trimerisation Amine Catalysts	Dabco TMR				•	•			•	•		•						121	470	1.05	Soluble	463	Amine-based trimerisation catalyst.
	Dabco TMR-2				•	•			•	•								121	190	1.07	Soluble	463	Amine-based, delayed-action trimerisation catalyst.
	Dabco TMR-3				•	•			•			•						>110	50	1.07	Soluble	639	Amine-based, delayed-action trimerisation catalyst. Provides more delay than Dabco TMR-2 catalyst.
	Dabco TMR-7									•		•						138	200	1.03	Soluble	900	Low-odour, amine-based trimerisation catalyst. Compared to conventional octoate catalysts, it facilitates a uniform and controlled rise profile.
	Dabco TMR-30					•		•	•	•			•	•	•	•		150	201	0.97	Soluble	213	Amine-based, delayed-action urethane reaction catalyst. Weak trimerisation catalyst.
	Dabco TMR-31			•	•					•								124	13,500	1.14	P. Soluble	500	Co-catalyst that promotes strong back-end cure and improves dimensional stability in rigid foams. Moderate trimerisation catalyst.
Metal Catalysts	Dabco MB20	•	•	•			•	•										158	5,000	1.22	Insoluble	177	Bismuth-based urethane reaction (gelation) catalyst developed for use in a wide range of urethane foam formulations requiring high catalytic activity.
	Dabco T-9	•																138	250	1.29	Insoluble	N/A	Stannous octoate; standard tin (gelation) catalyst for continuous flexible slabstock applications.
	Dabco T-900	•																>119	1,500	1.15	Insoluble	209	2-ethyl hexanoic acid emission-free gel catalyst for use in all types of flexible slabstock foams. Similar use level to that of Dabco T-9. Can be used with non-fugitive amine catalysts as well as traditional tertiary amines.
	Dabco T-12SL	•	•	•		•						•	•	•	•	•		>204	125	1.03	Insoluble	N/A	Strong urethane reaction (gelation) catalyst; dibutyltindilaurate.
	Dabco T-120			•		•						•						121	20	1.02	Insoluble	N/A	Strong urethane reaction (gelation) catalyst with good masterbatch hydrolytic stability.
	Dabco K-15				•	•				•								138	5,400	1.13	Soluble	271	Cost-effective trimerisation catalyst for PIR rigid foam applications; potassium octoate in diethylene glycol.
	Dabco K2097					•				•								124	550	1.23	Soluble	740	Cost-effective trimerisation catalyst for PIR rigid foam applications; potassium-acetate in diethylene glycol.
Silicone Surfactants	Dabco DC193			•		•	•	•		•		•					•	113	220	1.07	Soluble	75	Industry standard rigid foam and shoe sole surfactant. Provides excellent flammability performance in rigid foams.
	Dabco DC198	•		•	•						•							71	2,100	1.04	Soluble	N/A	High-efficiency surfactant for polyether slabstock applications. Good stability in both water and amine premixes.
	Dabco DC2525		•	•													•	195	90	0.98	Insoluble	60	Low-efficiency/wide-latitude surfactant for MDI flexible moulded applications; excellent vent stability and foam surface appearance.
	Dabco DC2584		•	•														>100	70	0.98	Insoluble	60	High-efficiency silicone stabiliser for flexible moulded cold cure TDI/MDI formulations, designed for low-emission/low-fogging polyurethane foam.
	Dabco DC2585		•	•	•		•											159	75	0.98	Insoluble	60	Silicone surfactant designed specifically to provide excellent performance in a variety of cold cure MDI flexible moulded polyurethane foam systems and in energy-absorbing rigid systems.
	Dabco DC3043		•	•													•	>120	150	0.98	Insoluble	14	Silicone surfactant designed to improve bulk and dimensional stability in polyester and polyether microcellular applications. Can be used in flexible and semi-flexible foam applications.
	Dabco DC5000			•				•			•							>101	170	0.98	Insoluble	<10	Silicone glycol copolymer designed for use in producing open cell rigid and semi-rigid polyurethane foam or as an internal mould release in flexible moulded foams.
	Dabco DC5043	•		•														82	300	1.01	Insoluble	24	Medium-efficiency, standard surfactant for TDI HR flexible moulded and HR flexible slabstock applications. Broad processing latitude.
	Dabco DC5160	•					•											116	1,150	1.04	Soluble	N/A	Medium-efficiency silicone surfactant that can be used for the formulation of low-to medium-density polyether slabstock foams.
	Dabco DC5164	•		•														88	370	1.04	Insoluble	24	High-efficiency surfactant for TDI HR flexible moulded applications. Excellent bulk and vent stability.
	Dabco DC5179			•														115	14	0.94	Insoluble	252	Silicone surfactant for use in HR flexible moulded foams, functioning primarily as a cell regulating and surface stabilising agent. It is typically combined with a strong bulk stabiliser such as Dabco DC5043 or Dabco DC5164 surfactants.
	Dabco DC5188	•																108	600	1.04	Soluble	418	High-efficiency silicone stabiliser for use in producing all densities of continuous and discontinuous (box foam) polyether flexible slabstock formulations. Its good emulsification capabilities result in a fine, open cell structure and improved physical gradients.
	Dabco DC5350											•						>97	1,340	1.03	P. Soluble	N/A	Silicone surfactant for improved flame resistance in low-density, water-blown, open cell spray foam.
	Dabco DC5357							•	•	•								103	450	1.04	Insoluble	54	High-performance surfactant that offers excellent flow and lambda performance. Can help improve surface quality in rigid moulded foams.
	Dabco DC5526	•																110	120	1.01	Insoluble	131	Silicone surfactant used in polyester flexible slabstock foam applications. It is recommended to add Dabco DC5526 surfactant as a separate stream to the mixing head.
	Dabco DC5598					•	•			•								99	525	1.05	Insoluble	48	General purpose surfactant for rigid boardstock and pour-in-place applications.
	Dabco DC5604				•		•	•			•	•						108	280	1.05	Soluble	65	General purpose rigid surfactant. Excellent system compatibility, stability, and foam physical properties.
	Dabco DC5900	•																120	2,000	1.04	Soluble	N/A	General purpose silicone surfactant for polyether flexible slab applications that provides for wide processing latitude.
	Dabco DC5901	•																>105	1,200	1.03	Soluble	167	General purpose silicone surfactant for polyether flexible slab applications providing a wide processing latitude. Lower viscosity than Dabco DC5900 for easier pumping.
	Dabco DC5906	•																98	700	1.02	Insoluble	335	Medium-efficiency surfactant for all conventional polyether flexible slabstock foam.
	Dabco DC5933	•																108	205	1.04	Soluble	535	Silicone surfactant designed for use in box foam formulations for the production of high PO-based polyol flexible slabstock foam.
	Dabco DC5950	•																97	1,600	1.00	Soluble	N/A	Broad latitude, medium-efficiency surfactant that exhibits enhanced flame retardant properties in flexible slab applications, including viscoelastic and melamine filled foams. Crib 5 rating can be achieved when using Dabco DC5950 surfactant.
	Dabco DC5986	•																115	530	1.02	Soluble	418	High-efficiency surfactant for use in polyether slabstock foam utilizing carbon dioxide and acetone blown technologies. Aids in efficient use of flame retardant (FR) additives.
	Dabco DC5987	•																101	795	1.03	Soluble	335	High-efficiency surfactant for use in polyether slabstock foam utilizing carbon dioxide and acetone blown technologies. Provides finer cell structure and an efficient use of flame retardant (FR) additives.
	Dabco DC5990	•																103	756	1.03	Soluble	251	High-efficiency surfactant for use with non-halogenated flame retardants (FR) in all major liquid carbon dioxide blowing technologies for the production of polyether flexible slabstock foam.
	Dabco DC6070	•		•			•											111	66	0.98	Insoluble	53	Low-emission silicone surfactant for TDI cold cure moulded or HR slabstock foam systems.
	Dabco DCI990	•	•	•				•										126	600	1.05	Insoluble	N/A	Silicone surfactant used for various polyester flexible slabstock foam applications where low VOC/low fogging values are required. Can also be used in flexible moulded and rigid foam applications for cell opening.
	Dabco SI1101	•	•	•														130	81	0.98	Insoluble	58	Low-emission cell regulating surfactant used in high-resiliency MDI flexible foams. It is typically used in combination with a strong bulk stabiliser.
	Dabco SI1304		•	•														159	84	0.98	Insoluble	60	Low-VOC and low-fogging medium-efficiency silicone surfactant as surface stabiliser for cold cure systems.
	Dabco SI2301	•																>100	25	0.83	Insoluble	320	Silicone stabiliser/Cell Regulator, designed for low-emission, high-resilient (HR) TDI and MDI flexible slabstock based formulations.
	Dabco SI2302	•																>90	50	0.96	Insoluble	45	Silicone stabiliser/Cell Regulator, designed for low-emission, high-resilient (HR) TDI and MDI flexible slabstock based formulations.
	Dabco SI3201					•		•	•	•								>65	750	1.04	Insoluble	73	Silicone surfactant that can provide very efficient stabilisation and wide processing latitude resulting in fine, uniform foams with excellent insulation properties.
	Dabco SI3202					•		•		•								66	110	1.00	Insoluble	129	Silicone surfactant that can provide very efficient emulsification and wide processing latitude resulting in fine, uniform foams with excellent insulation properties.
	Dabco SI3203					•		•		•								>65	230	0.99	Insoluble	100	Silicone surfactant that can be used as a stand alone solution in flexible faced lamination applications, facilitating very efficient emulsification, nucleation and stabilisation, resulting in fine, uniform foams with excellent insulation properties.
	Dabco SI3501					•		•		•	•							>65	400	1.04	Insoluble	N/A	Dabco SI3501 silicone surfactant has been shown to improve processability in rigid faced lamination applications. It is also commonly used in one-component foam, performing particularly well in low-temperature applications.
	Dabco SI3503			•		•	•	•		•		•					•	>65	350	1.07	Soluble	98	Silicone surfactant suitable for use as stabiliser for most conventional polyurethane systems. It has a non-hydrolysable chemical structure which allows for premix stability.
	Dabco SI3504					•		•		•	•							>65	4000	1.04	Insoluble	N/A	In rigid faced lamination applications, Dabco SI3504 silicone surfactant can notably improve lambda values compared to conventional silicone surfactants, making it the ideal choice to assist in meeting increasingly tough building regulations.
Non-Silicone Surfactants	LK®-221E		•				•	•									•	>101	2,800	1.01	Insoluble	42	Promotes excellent emulsification and degassing in a variety of foam applications. Improves butanediol emulsification and promotes adhesion in dual-density shoe sole applications. In rigid moulded applications, use as co-surfactant with Dabco SI3503.
	LK-443E		•				•					•						115	2,600	1.01	Insoluble	36	Widely applicable in rigid and flexible systems; promotes excellent surface quality. Excellent hydrolytic stability and cell stabilisation. In rigid moulded applications, use as co-surfactant with Dabco SI3503.
Processing Aids	Dabco BA100	•	•	•	•													>200	2,300	1.10	P. Soluble	214	Low corrosive, reactive blocking agent for flexible moulded and slabstock foam applications. Product forms an in situ non-emissive blocking agent when added to the foaming reaction.
	Dabco EM400											•						159	15	0.98	P. Soluble	122	Emulsifier designed for low-density, water-blown, open cell spray foam.
	Dabco 2035	•																>100	650	1.10	Soluble	620	Hardening additive developed for use in flexible polyether slabstock foams to increase foam hardness by up to 30% when using conventional polyols.
	Dabco PE40	•																> 100	1,000	1.10	Soluble	1,892	Solid powder (e.g., melamine) stabiliser. Improves powder dispersion in polyols, enabling more uniform FR properties within the foam.
	Dabco Kitane 20AS					•		•	•	•								>100	1,100	0.98	Insoluble	420	Compatibiliser that provides improved hydrocarbon solubility in polyol blends.
	Dabco Scoba AS45	•																> 160	50	0.97	Insoluble	N/A	Antioxidant that prevents scorching of the foam caused by the exothermic reaction during the manufacturing process. It can be used for polyether and polyester flexible slabstock formulations to reduce discoloration or deterioration of physical properties.
Polyurethane Curatives																						Amine Equivalent Weight	
	Versalink® 740M												•	•	•	•		288	solid	1.19	Insoluble	157	High-performance diamine curative for use with urethane prepolymers in elastomer applications, including dry food contact elastomers. Versalink 740M has also proven to be an effective curative for epoxy resins, used in a variety of coating, adhesive and sealant applications.
	Versalink P-250												•	•	•	•		>157	<300	0.98	Insoluble	220–250	Oligomeric diamine curative commonly used in urethane applications, including cast elastomers, coatings, adhesives, sealants and spray systems. Also useful as an amine- and anhydride-cured epoxy modifier (to enhance flexibility). Supplied as a waxy solid, which requires heating prior to use.
	Versalink P-650												•	•	•	•		>157	2,500	0.98	Insoluble	355–475	Oligomeric diamine curative commonly used in urethane applications, including room and elevated temperature cast elastomers, encapsulation, coatings, adhesives, sealants and spray systems. Also useful as an amine- and anhydride-cured epoxy modifier (to enhance flexibility). Liquid at temperatures of 25°C and above.
	Versalink P-1000												•	•	•	•		>157	3,000	0.98	Insoluble	575–625	Oligomeric diamine curative useful in urethane applications, including room and elevated temperature cast elastomers, encapsulation, coatings, adhesives, sealants and spray systems. Liquid at moderate temperatures. Also useful as an amine- and anhydride-cured epoxy modifier (to enhance flexibility).

*Key to suggested applications: • = **RECOMMENDED:** product provides obvious performance or economic advantages across a spectrum of formulations and/or processing conditions **P. Soluble** = Partially Soluble **N/A** = Not Applicable

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Air Products Chemicals Europe
c/o Air Products GmbH
Schnackenburgallee 41a, 22525, Hamburg, Germany
T: +49-40-529862-0, cheminfo@airproducts.com