



Beck Bond Construction Chemicals

ELANTAS Beck India Ltd.

PRODUCT PROFILE

Trade designation	Mixing ratio R : H (Parts by weight)	Viscosity of mixture at 25°C (mPa.s)	Pot life (.°C/..min)	Distinctive Properties	Suggested Applications
INDUSTRIAL FLOORING					
Beck Bond EC 36 (...)	BBEC36:SLF 36B 100:25	500 - 700	25 / 75	Two-component epoxy resin based flooring system. Abrasion resistant. Available in various shades	Highly abrasion resistant, coloured coating for concrete floors in industries like automobile, engineering workshops
EPC 36 (...)	EPC36R: EPC 36H 100:25	500 - 700	25 / 75	Two-component epoxy resin based flooring system. Abrasion resistant. Available in various shades	Highly abrasion resistant, coloured coating for concrete floors in industries like automobile, engineering workshops
Beck Bond AS 45	100 : 156	600 - 700	25 / 60	Epoxy resin in aqueous emulsion excellent antistatic property,	Used as a antistatic floor coating in electrical and electronic assembly areas, computer rooms Beck Bond SLF 36 AS to be used as top covering
Beck Bond PU FC 44 (...)	100 : 50 (Clear) 100:25 (Pigmented)	40-150 200-500	25 / 100-140	Polyurethane, clear/pigmented coating, good adhesion to concrete & steel, high abrasion resistant, excellent oil & chemical resistance	Coating on cement concrete and epoxy screed for light to heavy duty flooring
Beckcrete MF (...)	R : H :Powder 100:115 : 518	8000 - 15000	25/10 - 15	PU based cement concrete for excellent wear resistance and mechanical properties	Heavy duty flooring system for Food, beverage, bottling plants,dairies, Pharma, engineering, packaging, chemical plants, etc
Beck Bond SLF 36 (...)	36A:36B:CP 360:Silica Powder 100 :55 : 7 : 210	2500-3000	30 /45	Epoxy resin based self leveling flooring, easy to clean, excellent chemical and abrasion resistance, does not support bacterial growth, monolithic	Abrasion resistance, medium duty, jointless flooring for pharmaceutical, beverage, bottling plants, dairies, laboratories, electric and nuclear power plants, hospitals, electronic industries, hotels, light duty engineering parts

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Beck Bond SLF 36 CS (...)	36A:36B:CP 360:Silica Powder: DSL 60 100 :55:7: 210:40	5500-6500	30 /45	Epoxy resin based multicoloured textured, self leveling flooring, easy to clean, excellent chemical and abrasion resistance, does not support bacterial growth, monolithic	Abrasion resistance, medium duty, jointless flooring for pharmaceutical, beverage, bottling plants, dairies, laboratories, electric and nuclear power plants, hospitals, electronic industries, hotels, light duty engineering parts
Beck Bond SLF 36 EI (...)	36A:36B:CP 360:Silica Powder: 100 :55:7:210	5500-6500	30 /45	Epoxy resin based electrical insulation self leveling flooring, easy to clean, excellent chemical and abrasion resistance, does not support bacterial growth, monolithic	Abrasion resistance, medium duty, joint less flooring for electrical panel room, power house, laboratories, nuclear power plants, light duty engineering parts
Beck Bond SLF 36 AS (...)	36A:36B:CP 360:ASF 63: ESL 63 100 :55:7: 0 .00034:210	5500-6500	30 /45	Epoxy resin based self leveling antistatic flooring, easy to clean, excellence chemical and abrasion resistance, does not support bacterial growth, monolithic	Electronic assembly shops and Nuclear power plants, Wafer & PC component production, Synthetic fibre mills,LPG filling areas, Processing & handling of combustible & explosive goods Pharmaceutical industries, □Operation theatres & recovery rooms, Computer room &Control Rooms
Dobeckot 5022+Hardener EH 408	100 : 55	1420	25 / 135	Epoxy resin system with excellent mechanical strength	Binder resin for epoxy mortar for heavy duty flooring in production areas, Loading ramps, Ware houses, workshops, garages etc.
Dobeckot 505C + Hardener EH411	100 : 50	1200	25 / 80	Epoxy resin system, low viscosity good flexibility	Used as a primer in light and heavy duty flooring for improved adhesion and as a top coat
Dobeckot 5022 + Hardner EH 460 + Silica Powder	100 : 100 : 4 – 5	4000-7000	30/60	Epoxy resin based self levelling flooring system. Easy to clean,excellent chemical & abrasion resistance. Builds thickness to cover floor undulations	Abrasion resistant, medium duty, jointless underlay for epoxy & PU toppings. Used in laboratories, food processing, beverage, bottling plants, dairies, hospitals, hotels, engg. plants, automobile, Pharma.
Dobeckot 5022 + Hardener 7030 +Hardener 7035	100 : 45 : 15	7000	25 / 70	Excellent chemical and corrosion resistance	as a chemical and corrosion resistant floor coating Binder resin for chemical & corrosion resistant epoxy mostar

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Beck Bond WEP 21	100:200	25-50	25/60	Specially formulated, white coloured, water based Epoxy Primer	For epoxy, polyurethane coating & flooring as well as waterproofing systems
Beck Bond WEP 31	100:100:300 (Water)	25-50	25/90	Specially formulated, white coloured, water based Epoxy Primer	For epoxy, polyurethane coating & flooring as well as waterproofing systems
Beck Bond EP 17	100 : 50	200	25/120	Epoxy based primer for concrete with excellent crack bridging , penetration and adhesion properties	For epoxy, polyurethane coating & flooring as well as waterproofing systems
PROTECTIVE COATINGS					
BeckBond FDM 46 (...)	100 : 30	500 - 700	25 / 90	Epoxy based coating, approved as food grade coating	Protective coating / lining of tanks used for storage of foodstuffs such as vegetable oil, wine, beer, chemicals
BeckBond PU Excoat 24 (Clear)	100 : 10	100 – 150	25 /240	Polyurethane, clear coating, excellent adhesion, weather resistance, gloss retention, non yellowing, UV resistant coating	Coatings on wooden bricks and stone masonry. Coating on monuments and decorative structures
BeckBond PU Excoat 25	100 : 10	250 – 350	25 / 240	Polyurethane pigmented exterior coating, excellent adhesion to various substrates, weather resistance, colour stability, non yellowing & UV resistance	Exterior protective coating (painting) to structures exposed to marine or saline atmosphere, bridges, flyovers, monuments, public and private buildings etc.
BeckBond PU Mcoat 28 (...)	100 : 10	250-350	25 / 240	Polyurethane pigmented coating corrosion resistant, excellent UV resistance colour stability and chemical resistance	Protective coating for metal, FRP surfaces
Beck Bond PU Aquacoat 55	-	700-900	-	Single component water based polyurethane coating. Tested & certified by NTC, Pune	Suitable for pharmaceutical clean, rooms, process areas, laboratories, operation theatres
Beck Bond Aquacoat 58	-	700-900	-	Waterbased anti-fungal acrylic coating tested and certified by NTC, Pune	Internal wall coating for laboratories, hospitals, hotels, kitchens & household

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Beck Coat EXGuard (...)	-	700-900	-	Premium weatherproof exterior wall coating with elastomeric properties. Tested & certified by NTC, Pune	Exterior cement plaster areas of residential buildings, commercial complexes, hotels, bungalows etc.
Beck coat EXShield (...)	-	700-900	-	Pure acrylic weatherproof exterior wall coating. Tested & certified by NTC, Pune	Exterior cement plaster areas of residential buildings, commercial complexes, hotels, bungalows etc.
Beck Coat Biowash	-	60-80	-	Single-component low toxicity biocide to protect the surface from biological growth	All algae affected areas
BeckBond PU Primer 23	100 : 10	200-250	25 /240	Polyurethane primer , excellent adhesion to concrete, stone, wood bricks, metal	Primer coat for Beck Bond PU Excoat 25 (...) * Beck Bond PU Mcoat 28 (...)* for improved adhesion
Beck Bond Corro-Protecto	-	100 - 130	-	Single component self priming polymer based corrosion resistant coating with excellent Salt Spray resistance of above 500 Hrs.	Electrical equipments, motor coils, metal surfaces susceptible to corrosion.
Beck Bond Corro Protecto – V	-	100 - 130	-	Single component self priming epoxy based corrosion resistant Black coating with excellent Salt Spray resistance of above 500 Hrs.	Electrical equipments, motor coils, metal surfaces susceptible to corrosion.
Beck Bond Rust Converter	-	80 – 120	-	Water based eco friendly rust converter	Corrosion affected steel surfaces.
Primebond	-	700-900	-	Water based acrylic primer with excellent adhesion with non peeling, non dusting and good hiding properties.	Primer for all water based paints on interior/ exterior surfaces.
Beck Bond Conductive Varnish	-			Conductive synthetic resin based varnish. Cures at room temperature.	Varnish for motor coils for high voltage stress grading application and for conductive coating.
Beck Bond Epoxy Primer ZP	100 : 25	70-80 Sec	25/240s	Zinc rich epoxy primer. Corrosion resistant. Excellent adhesion on steel. Cures at room temp.	Primer for mild steel structures, pipes, rebars, etc

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Beck Bond Epoxy Barrier coat HB	100 : 25	70 – 80 Sec	25/ 240	MIO based coating. Corrosion resistant. Self priming.	Corrosion resistant coating for MS substrate. Due to Self priming nature can be used in difficult areas where multiple coating is not possible.
Beck Bond PU 90 (...)	100 : 10	100 -200	25/240	Water based 2K PU scratch resistant coating in Base and Clear Matt finish.	Scratch resistant coating for cementitious substrates. Walls and Floor areas.
PUC 90 (...)	100 : 10	250 - 350	25/240	Polyurethane pigmented coating corrosion resistant, excellent UV resistance colour stability and chemical resistance	Chemical and Corrosion resistant coating for steel structures, pipe lines, rebars, concrete surfaces
STRUCTURAL REPAIRS					
BeckBond UWGROUT 42	100 : 36	240	25 / 30	Epoxy system, low viscosity, excellent adhesion to concrete and steel, cures hard underwater	For injecting and sealing of cavities and cracks in dams, bridges, concrete structures located underwater
BeckBond UWGROUT 42 M	100 : 40	300	25 / 60	Epoxy system, low viscosity, excellent adhesion to concrete and steel, cures hard underwater	For injecting and sealing of cavities and cracks in dams, bridges, concrete structures located underwater
BeckBond Grout GP	160-180 ml water per kg of Grout GP	-	-	Shrinkage compensating grout mix supplied in powder form	Machine foundations, crane rails anchor bolts, floor taps etc.
BeckBond Grout GP 60	160-180 ml water per kg of Grout GP	-	-	Shrinkage compensating grout mix supplied in powder form	Machine foundations, crane rails anchor bolts, floor taps etc.
Dobeckot 505C+Hardener EH 411	100 : 50	1200	25 / 80	Epoxy resin system with low viscosity, good flexibility and ability to cure in moist condition	For injecting grouting, sealing of dry & moist cracks in concrete structures. Used as primer in floor coating application
Becktite	100:80	35000 – 45000	60 / 75	2-component epoxy adhesive with excellent adhesive strength, good moisture & chemical resistance. Application ease on vertical surface	Bonding agent for hardened to hardened concrete, metal to metal bonding. Pre-cast bridge segments.

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Dobeckot 5022+Hardener EH 408	100 : 45 : 15	7000	25 / 60	Epoxy resin system with excellent chemical and corrosion resistance	Protective lining and coating in fertilizer and chemical industries, marine structures, concrete tanks
Dobeckot 5022/7030/7035	100 : 50	1200	25 / 80	Epoxy resin system with low viscosity, good flexibility and ability to cure in moist condition	For injecting grouting, sealing of dry & moist cracks in concrete structures.Used as primer in floor coating application
BeckBond Micrete	100:18	-	-	Cementitious grey powder used for rehabilaition of distressed structures	All kinds of structural repairs,like columns ,beams,slabs .Gives the structures a clean and smooth finish.
BeckBond SBR	100:100	-	-	Aqueous emulsion of Styrene Butadene Copolymer latex to improve the performance of cemen mortars	Concrete and floor screed repairs,corrosion protection of reinforcement.Gives higher compressive properties,basements and tanks.
Dobeckot 5022 + Hardener EH 411	100 : 55	11800	25 / 70	Epoxy resin system with high adhesive strength in tension and shear	For bounding of fresh to hardened concrete as well as hardened to hardened concrete
Dobeckot 505C + Hardener EH408	100 : 50	470	25 / 130	Epoxy resin system with Low viscosity & good adhesion	For injecte and sealing cavities and cracks in structural components such as columns, beams, foundations, deck slabs in dry condition
Beck Bond EPG 95	100 : 100	600 -1000	25/10-20	Epoxy resin based grout for excellent adhesion with concrete substrates	Grout for Airport lighting system installations, pavement joint filling, concrete repairs, etc.
ADHESIVES AND SEALANTS					
BeckTite	100 : 80	38,000	25 / 75	Epoxy two component adhesive, excellent adhesion, good moisture and chemical resistance, ease of application on vertical surface	General purpose adhesive in electronic, automobile, construction, foundries, household applications
BeckSeal PSG 1	100:8	Putty	25/150-180	Polysulphide- gun grade two component sealant elastic, good movement accommodation	For filling and sealing of expansion & movement joints and cracks in concrete, metal masonry etc.

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Beckseal GP	100:100	Putty	25/ 30	Two component epoxy putty with excellent adhesion to all surfaces like metal, wood, glass, ceramic, etc	General purpose sealant to seal open gaps, leakages, cracks in various substrates.
Beck Seal GPM	100:100	Putty	25/30	Two component epoxy putty with excellent adhesion to all surfaces like metal, wood, glass, ceramic, etc	General purpose sealant to seal open gaps, leakages, cracks in various substrates, electrical components, etc.
Beck Seal FC	100:100	Putty	25/15	Fast curing, two component epoxy putty with excellent adhesion to all surfaces like metal, wood, glass, ceramic, etc	General purpose sealant to seal open gaps, leakages, cracks in various substrates, electrical components, etc.
WATERPROOFING					
Beck Bond WEP 21	100:200	25-20	30/60	specially formulated, white coloured, water based Epoxy Primer	For epoxy, polyurethane coating & flooring as well as waterproofing systems
Beck Bond WPC 30	-	1200	-	a white, elastomeric, High Build Coating for waterproofing of old and new built up roofs	Roof slabs, terraces, balconies, chajjas, parapet walls, Old and new surfaces, Vertical as well as horizontal surface, structures having complicated geometry like domes, arches, shells, folded plates, parabolides, corrugated sheets etc. Structures exposed to marine or saline atmosphere
BeckProof WAC	1 00 : 200 (WAC : Cement)	200-600	25 /15-20	an acrylic based polymer modified cementitious coating system. a milky white liquid, which in combination with cement has excellent waterproofing and protection properties.	Waterproofing terraces, balconies and terrace gardens, To stop leakages from toilet units and sunken slabs. Water proofing damp walls, Arresting leakages in Storage tanks and reservoirs. Waterproofing of chajjas & Canopies. Providing protection to exposed reinforcement and general concrete repairs.
Beck Bond Aquaproof	0.2 to 0.25 % by weight of cement	-	-	Integral waterproofing Admixture for concrete	For structural concrete of water retaining structures, Slabs, sunk slabs,

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ADDITIVES & AUXILIARIES					
Diluent C	-	65	-	Reduces viscosity, gives flexibility to cured film	Diluent and viscosity reducer
Thinner 221	-	-	-	-	Viscosity reduction of coating system, cleaning of tools etc.

Notes :

1. For detailed properties please refer to Technical Data Sheet for particular product.
2. All products are room temp (15-40° C) drying, curing time varies for different product.
3. For specific applications configurations of systems / products can also be suggested.
4. (...) Available in different colours.

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ELANTAS BECK PRODUCT SPECTRUM

Primary Insulation	Terebec® Amidelmide Nylon ISONEL™	ISOMID™ ISOMELT™ FORMVAR™ BONDALL™ Elmoglas	Wire enamels for coating copper and aluminium round and rectangular wires, for temperature class 105 to 200 and for enamelled wires with special properties such as solderable, refrigerant resistant, bondable etc. Binder varnishes for glass-fiber covered and braided wires.
Secondary Insulations – Solvated Varnishes	Elmo® Elmoglas Elmotherm ISONEL	ISOPOXY™ Elmo Luft® Becktol	Impregnation of electrical machine windings, transformers, magnet coils for thermal class 120 to 200 equipment. Coating of core plate laminations, capacitors, electronic components etc. Impregnation of hermetically sealed motors. Impregnation of glass-fibre sleeving, tapes etc. Finishing varnish coatings for improved moisture and track resistance.
Secondary Insulations – Solventless Resins	Dobeckan®	Dobeckot®	Solventless resins for impregnation of electrical machine windings up to thermal class 200. Impregnation of high voltage machines, magnet coils and instrument transformers, D.C. machines, traction motors etc.
Electronic & Engineering Materials	Elan-tron® Dobeckot® Dobefil Dobeckan® IF	SHIMOKOTE SHIMOREZ SHIMOCAST SHIPAL	Casting, potting and encapsulation of electrical and electronic components such as auto electrical components, power & electronic capacitors, high voltage insulators, instrument transformers, battery sealants/adhesives etc. Impregnation of high voltage windings of electrical machines. Binder resins for glass-fibre filament wound arc chamber tubes.
Construction Chemicals	Beck Bond Beckcoat Beckcrete	Dobeckot® Beckseal	Epoxy & Polyurethane and Acrylic resin systems for Floor Coating, Interior and Exterior Wall Coating, Structural Repairs, Adhesive & Sealant and Waterproofing applications.

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