Elantas Beck India Limited

C ELANTAS

Construction Chemicals

PRODUCT SPECTRUM



Product Summary Guide

Elantas Beck India I Construction Chemicals

A member of **C ALTANA**

Company Profile:

- Elantas Beck India Ltd (formerly known as Dr. Beck) is a member of a German based group
 Altana.
- Altana is a specialty chemical group with sales of more than EUR 2.2 Billion and 6200 employees worldwide.
- In 2016, ELANTAS Beck India Ltd (EBIL) completed 60 years of operations in India.
- The company manufactures wide range of electrical insulation and construction chemicals.
- Construction chemicals products certified from CFTRI, ERDA, NCL, CPRI, CBRI, NTC and other accredited labs.

Construction chemicals:

Industrial flooring	Heavy & medium duty flooring for Industries such as automobile, engineering etc. ESD and electro conductive flooring & electrical and electronic assembly rooms.	
Protective coating	Anti-microbial flooring for pharmaceutical industry & hospitals. Chemical & corrosion resistant coating for chemical & fertilizer industry, pipelines, machinery & all surface exposed to saline environment. Protective coating & lining for potable water & food stuff tanks. Hygienic coating for pharmaceutical industry. Exterior weatherproof emulsion paints for masonry surfaces.	
Structural repairs	Grouting & sealing of dry, moist and wet cracks in dams, bridges & other concrete structures. Old to new concrete bonding. High strength mortar applications for dams & powder houses. Underwater grouting & sealing of cracks in hydraulic structures.	
waterproofing	Polymer based waterproofing system with a finish coat of aliphatic PU. Polyurethane and acrylic based elastomeric waterproofing coating system for sloping roofs, slabs, sunks etc. Liquid applied waterproofing membrane. High end Polyurea waterproofing.	
Adhesive & sealants	General purpose epoxy adhesive used in foundries, engineering units, electrical, motor garage, ship repairs & household application. Polyurethane & polysulphide sealants for joint sealing.	
Commercial flooring	Commercial flooring e.g. Parking area flooring, sports flooring for play area, Decorative 3D flooring.	
Beckbond I Beckcoat I Dobeckot I Beckproof I Becktite I Beckcrete I Beckurea		



INDUSTRIAL FLOORING

Beckbond epoxy flooring system are most widely used floor finish for automobile, food and pharma industries. Provide smooth. Monolithic, glossy/ semi-glossy finished and are available in plain & granular Colour patterns.

Beckbond/ Beckcrete polyurethane flooring system are well known for being the best floor maintenance solution in heavy engineering and automobile industries.

System	Description	Application	Theoretical coverage (system)
High Performar	nce epoxy Flooring System	n	
Beck Bond SLF 36	Epoxy resin based self-levelling flooring, easy to clean, excellent chemical and abrasion resistance, does not support bacterial growth, monolithic	Abrasion resistance, medium duty, joint less flooring for pharmaceutical, beverage, bottling plants, dairies, laboratories, electric and nuclear power plants, hospitals, electronic industries, hotels, light duty engineering parts	3.2 kg/sq meter/ 2 mm
Beck Bond SLF 36 CS	Epoxy resin based multi- coloured, self-levelling flooring, easy to clean, excellent chemical and abrasion resistance, does not support bacterial growth, monolithic	Abrasion resistance, medium duty, joint less flooring for pharmaceutical, beverage, bottling plants, dairies, laboratories, electric and nuclear power plants, hospitals, electronic industries, hotels, light duty engineering parts	3.2 kg/sq meter/ 2 mm
Beck Bond SLF 36 AS	Epoxy resin based self-levelling antistatic flooring, easy to clean, excellent 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	3.2 kg/sq meter/ 2 mm
Beck Bond SLF 36 EI	Epoxy resin based electrical insulation self-levelling 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	3.2 kg/sq meter/ 2 mm
Dobekote 5022+ Hardener EH 460 + Fillers	Epoxy resin based self-levelling flooring system. Easy to clean, excellent chemical & abrasion resistance. Builds thickness to cover floor undulations	Abrasion resistant, medium duty, joint less underlay for epoxy & PU toppings. Used in laboratories, food processing, beverage, bottling plants, dairies, hospitals, hotels, engg. plants, automobile, Pharma.	3.6 kg/sq meter for 2 mm

System	Description	Application	Theoretical coverage
High Performan	ce epoxy Flooring System		
EPC 36	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	0.25 - 0.35 kg/m2/ two coat/ 300 micron DFT
Dobeckot 5022+Hardener EH 408	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	Refer TDS
Dobeckot 5022 + Hardener 7030 +Hardener 7035	Excellent chemical and corrosion resistance coating system	As a chemical and corrosion resistant floor coating Binder resin for chemical & corrosion resistant epoxy mortar	0.35 - 0.40 kg /m2/ two coat/ 350 microns DFT
Beck Bond EP CSL 85	Three component water based epoxy cementitious screed	Water insensitive underlay and vapour barrier for epoxy based floor topping. Also suitable for levelling irregularities in industrial floor, pavement etc.	4kg/ m2/ 2mm thickness
High Performan	ce polyurethane Flooring	System	
Beckcrete MF	Polyurethane concrete floor topping for excellent wear resistance and mechanical properties	Heavy duty flooring system for Food, beverage, bottling plants, dairies, Pharma, engineering, packaging, chemical plants, etc.	Scratch coat - 2kg/m2/1mm Top coat - 6 kg/m2/3mm
Beckcrete MF AS	Antistatic Polyurethane concrete floor topping for excellent wear resistance and mechanical properties	Heavy-duty Antistatic flooring system for Electronic assembly shops and Nuclear power plants, LPG filling areas, Processing & handling of combustible & explosive goods., etc.	Scratch coat - 2kg/m2/1mm Top coat - 6 kg/m2/3mm
PUC 90	Polyurethane pigmented coating. Corrosion resistant, excellent UV resistance colour stability and chemical resistance	Chemical and Corrosion resistant coating for steel structures, pipelines, rebar, concrete surfaces. Also used for line marking.	0.2 - 0.3kg /m2/two coat/ 100 microns DFT
Beck Bond PU 90	Water based 2K PU scratch	Scratch resistant coating for cementitious substrates. Walls and Floor areas.	0.15 - 0.20 kg/m2/ two coat/120 micron DFT
Beck Bond staticoat	Polyurethane based antistatic wall coating	Standard rooms, paint shops, electronic assembly area etc.	0.25 - 0.30 kg/m2/ two coat/150 micron DFT
Primers System			
Beck Bond EP 17	Epoxy based primer for concrete with excellent crack bridging, penetration & adhesion.	For epoxy, polyurethane coating & flooring as well as waterproofing systems	0.15 kg/ m2/ 100 micron WFT
Dobeckot 505C + Hardener EH411	Solvent free epoxy resin system, low viscosity good flexibility	Used as a primer in light and heavy duty flooring for improved adhesion with top coat	0.15 kg/ m2/ 100 micron DFT
Beck Bond WEP 21	specially formulated, milky white coloured, water based Epoxy Primer	For epoxy, polyurethane coating & flooring as well as waterproofing systems	0.15 kg/ m2/ 100 micron WFT
Beck Bond WEP 31	Epoxy based primer for concrete with excellent crack bridging , penetration & adhesion.	For epoxy, polyurethane coating & flooring as well as waterproofing systems	0.15 kg/ m2/ 100 micron WFT
Others			
Thinner 221	Thinner	Viscosity reduction, cleaning of tools etc.	

Elantas Beck India | Construction Chemicals

PROTECTIVE COATINGS

Beckbond polyurethane and acrylic coatings are specially formulated to take care of clean rooms, potable water and food stuff tanks.

Anti-corrosive PU coatings for chemical & fertilizer industry, pipelines, machinery, rebar etc.

ExGuard classic is a premium weatherproof paint to beautify & protect exterior walls.



System	Description	Application	Theoretical
			coverage (system)
Epoxy and polyur	ethane based system		
Beck Bond FDM 46	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	0.20 - 0.25 kg/m2/ two coat/150 micron DFT
Beck Bond PU Excoat 24 (Clear)	Polyurethane, clear coating, excellent adhesion, weather resistance, non-yellowing	Coatings on wooden bricks and stone masonry. Coating on monuments and decorative structures	0.25 - 0.30 kg/m2/ two coat/80 micron DFT
Beck Bond PU Excoat 25	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	0.25 - 0.30 kg/m2/ two coat/80 micron DFT
Beck Bond PU Mcoat 28	Polyurethane pigmented coating corrosion resistant, excellent UV resistance colour stability and chemical resistance	Protective corrosion resistant coating for varies metallic structures, pipelines, FRP surfaces	0.17 -0.20 kg/m2/ two coat/50 -60 micron DFT
Beck Bond Corro- Protecto	Single component self-priming polymer based corrosion resistant coating with excellent Salt Spray resistance	Electrical equipment, motor coils, metal surfaces susceptible to corrosion.	Refer TDS
Beck Bond Rust Converter	Water based eco-friendly rust converter	Corrosion affected steel surfaces.	Refer TDS
Beck Bond 1K PU	Single component waterborne protective enamel coating	specifically developed for application to Metal/Steel substrates for corrosion protection	Refer TDS
Beck Bond PU 90	Water based 2K PU scratch resistant coating in pigmented and Clear Matt finish.	Scratch resistant coating for cementitious substrates. Walls and Floor areas.	0.15 - 0.20 kg/m2/ two coat/120 micron DFT
PUC 90	Polyurethanepigmentedcoating.Corrosionresistant,excellentUVresistancecolourstability and chemical resistance	Chemical and Corrosion resistant coating for steel structures, pipelines, rebar, concrete surfaces. Also used for line marking.	0.2 - 0.3kg /m2/two coat/ 100 microns DFT

Waterborne antif	Waterborne antifungal wall coatings			
Beckcoat ExGuard Classic	Premium weatherproof exterior wall coating with elastomeric properties	Exterior walls of residential buildings, commercial complexes, hotels, bungalows etc	40-50 sq. feet/ kg/ two coat	
Beck Bond PU Aquacoat 55	Single component water based polyurethane hygienic wall coating	Interior walls, ceiling of pharmaceutical clean rooms, process areas, laboratories, operation theatres	50-60 sq. feet/ kg/ two coat	
Beck Bond Aquacoat 58	Single component Water based anti-fungal acrylic interior wall coating	Internal wall coating for laboratories, hospitals, hotels, kitchens & household	50-60 sq. feet/ kg/ two coat	
Waterborne prime	er/ Bio-wash			
Beckcoat Primebond	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.	90-95 sq. feet/ kg/ one coat	
Beck Coat Biowash	Single-component low toxicity biocide to protect the surface from biological growth	All algae affected areas	Refer TDS	







STRUCTURAL REPAIRS

Grouting & sealing of dry, moist and wet cracks in dams, bridges & other structures. Old to new concrete bonding.

High strength mortar applications for dams & powder houses.

Underwater grouting & sealing of cracks in hydraulic structures.

Central Water and Power Research Station (CWPRS) certified systems.

System	Description	Application	Theoretical coverage (system)	
Epoxy Technica	al Grouts			
Dobeckot 505C +Hardener EH 411	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.	Refer TDS	
Beck Bond UWGROUT 42M	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	Refer TDS	
Beck Bond EPG 95	Epoxy resin based grout for excellent adhesion with concrete substrates	Grout for Airport lighting system installations, pavement joint filling, concrete repairs, etc.	Refer TDS	
Dobeckot 505C + Hardener EH408	Epoxy resin system with Low viscosity & good adhesion	For injecting and sealing cavities and cracks in structural components such as columns, beams, foundations, deck slabs in dry condition	Refer TDS	
Dobeckot 5022/7030/7035	Chemical resistant epoxy system	For grouting, repair to give good chemical resistance	Refer TDS	
Epoxy Repair N	Epoxy Repair Mortars			
Dobeckot 505C +Hardener EH 411 + Silica filler	Solvent free Epoxy Mortar system for High strength	Mortar for industrial flooring, Filling of horizontal and vertical joints in concrete.	Refer TDS	
Dobeckot 5022 +Hardener EH 408 + Silica filler	Epoxy morar for repairs of concrete structure, etc.	Mortar for structural reapir, Filling of horizontal and vertical joints in concrete.	Refer TDS	

Bonding agent for repairs			
Becktite	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.	Refer TDS
Dobeckot 5022 + Hardener EH 411	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	2.5 – 3.0 m2 /kg
Beck Bond SBR	Aqueous emulsion of Styrene Butadiene Copolymer latex to improve the performance of cement mortars	Concrete and floor screed repairs, corrosion protection of reinforcement. Gives higher compressive properties. Uses for basements and tanks.	Refer TDS
BeckProof WAC + cement	acrylic based polymer modified cementitious system.	Providing protection to exposed reinforcement and general concrete repairs.	Refer TDS

Job references – structural repairs

✓ Koyna Hydro Electric Project,

Maharashtra.

- ✓ Vasai creek bridge, Mumbai.
- ✓ Ranjitsagar Dam, Panjab.
- ✓ Bhima aqueduct, Maharashtra.
- ✓ Bergi dam, Madhya Pradesh.
- ✓ Sardar Sarovar H.E.O., Gujrat.





WATERPROOFING

Polymer based waterproofing system with a finish coat of aliphatic PU.

Polyurethane and acrylic based elastomeric waterproofing coating system for sloping roofs, slabs, sunks etc.

Liquid applied waterproofing membrane.

High end Polyurea waterproofing.



System	Description	Application	Theoretical
			coverage (system
Beck Bond WEP 31	Waterbased epoxy primer	Wall and terrace waterproofing	0.2 - 0.3 kg/m2
Beck Bond WPC 30	Acrylic 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.	1kg/m2/ 0.6mm thickness
Beck Bond WPU 60	Polyurethane single component, elastomeric, High Build Coating for waterproofing of old and new built up roofs	Roof slabs, terraces, balconies, chajjas, parapet walls, structures having complicated geometry like domes, arches, shells, folded plates, parabolides, corrugated sheets etc. Structures exposed to marine or saline atmosphere	2kg/m2/ mm in two coats
Beckproof WAC	An acrylic based polymer modified cementitious coating system	Waterproofing terraces, balconies and terrace gardens, To stop leakages from toilet units and sunken slabs	BeckProof WAC (1 kg) - Cement(OPC) 2 kg 3m2/mix/one barrier coat
Beckcoat Primebond	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.	90-95 sq. feet/ kg/ one coat
Beckurea SPC	Fast setting, spray applied elastomeric Polyurea coating	Water containment area. Waste water treatment tank lining. Protection and waterproofing of infrastructures. Pond liners. Marine and offshore installations. Cold storage facilities.	1 m2/ lit @ 1mm thickness
Beckurea HPC	Hand applied elastomeric Polyurea coating	Maintainacne and repair work of waterproofing area.	1 m2/ lit @ 1mm thickness
Beck Bond PU	Polyurethane pigmented	Exterior PU coating to be applied over water	0.25 - 0.30 kg/m2/ two
Excoat 25	coating, weather resistant.	based acrylic/PU waterproofing system.	coat/80 micron DFT
Beckcoat ExGuard Classic	Premium weatherproof exterior wall coating with elastomeric properties	Top coat for waterproofing system for exterior walls of residential buildings, commercial complexes, hotels, bungalows etc	40-50 sq. feet/ kg/ two coat



ADHESIVE & SEALANTS

General purpose epoxy adhesive used in foundries, engineering units, electrical, motor garage, ship repairs & household application.

Polyurethane & polysulphide sealants for joint sealing.

Two component epoxy putty with excellent adhesion to varies surfaces.

System	Description	Application	Theoretical coverage (system)
Becktite	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.	Refer TDS
BeckSeal PSG 1	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.	Refer TDS
BeckSeal PSP 11	Polysulphide- Pour grade two component sealant. Elastic, good movement accommodation	For filling and sealing of expansion & movement joints and cracks in concrete, metal masonry etc.	Refer TDS
Beckseal GP	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.	Refer TDS
Beckseal GPM	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.	Refer TDS
Beckseal FC	Two component fast curing epoxy sealing putty with excellent adhesion to all surfaces	General purpose sealant to seal open gaps, leakages, cracks in various substrates. it cures rapidly into a hard mass at room temperature.	Refer TDS

COMMERCIAL FLOORING

Parking area flooring solution.

Sports flooring solution.

Soft flooring for play area.

Decorative 3D flooring.



System	Description	Application	coverage (system)
Beck Deck system (BDS-EP)	Epoxy top coat based parking area system	A multi-layered flooring system which includes sealer coat, base coat, anti-slip anchor coat and epoxy top coat.	Refer TDS
Beck Deck system (BDS-PU)	UV resistant polyurethane top coat based parking area system	A multi-layered flooring system which includes sealer coat, base coat, anti-slip anchor coat and polyurethane top coat.	Refer TDS
Beck Playfloor	Polyurethane based recreational soft flooring System	Cushioned system for children Play areas, Party Terraces, Play areas in new construction, recreational areas in housing societies	Refer TDS
Beck Sports floor	Multilayered sports flooring solution	Sports hall, Indoor play areas, Fitness suites, Sports physiotherapy, Leisure centers. Aerobic studios. Jogging tracks.	Refer TDS
Beck Decofloor	Decorative 3D flooring system	3D flooring system for marble, metallic finish, epoxy transparent coat for 3D papers.	Refer TDS



3D floor coating system

Parking area system



Job Reference / Major

For Industrial flooring / protective coating

Hero Motocorp	Cipla	Hindustan Lever
Bajaj	Associated Capsules	Nestle
Tata Motors	Lupin	Coca Cola
Ashok Layland	Cadila	Hamdard
Crompton Greaves	Unichem	Venkey's
General Motors	Novartis	Pepsi
Volkswagen	Dr. Reddy's	Morde Foods
Fiat Motors	Microlabs	ITC
Essel Propack	Frescenius Kabi	Wokhardt
Corning technologies	Bharat Serum	Parampara
Lear Insulation	Glenmark	Uniliver
ISRO	FDC	AIIMS
DRDO	Novartis	Ruby hall clinic
Siemens	Sun Pharma	Lilawati Hospital
Forbes Marshal	Sandoz	N M Wadia Hospital
Balda Motherson	Wokhardt	Goa Medical
RCF	Sunshield Chemicals	Sugar Mills

Beck Exterior Coatings (Major jobs of exterior coatings)

- Kumar properties, Pune
- 🛠 Goa Vidhan Sabha, Goa
- Shiv Vilas, Jaipur
- Fairmont, Jaipur
- Rajasthan Vidhan Sabha, Jaipur
- Radisson Hotel, Varanasi
- RCF, Mumbai
- Savoy Suites, Noida
- Radisson Hotel, Jaipur
- Tata Honeywell, Pune
- Residential projects, Institutions, Pune
- Bungalow's, Villa's, Lonavala (Heavy rainfall area)



O BYK Additives & Instruments

Business Lines

- Paint Additives
- Plastics Additives
- Industrial Applications
- Exploration technology
- Oil/Gas
- Measuring and testing instruments







Business Lines

- Coatings
- Graphic Arts
- Cosmetics and
- personal Care
- Plastics industry
- Functional Applications

Business Lines

- Wire enamels
- Electrical
- Electronic
- Construction Chemicals

Market Segments

- Closures
- Flexible packaging
- Labels
- Paper-based packaging
- Publication and commercial
- Rigid packaging
- Specialty consumer goods





ELANTAS Beck India Ltd

accredited with

ISO 9001 : 2008

ISO 14001 : 2004

BS OHSAS ISO 18001 : 2007

ELANTAS Beck India Ltd

Marketing Head office & Western region

147, Mumbai-Pune road, Pimpri, Pune-411018, India. Ph: +91 (20) 30610800 / 616 Fax:+91 (20) 30610792 email: <u>arvind.jha@altana.com</u>

Technical services

147, Mumbai-Pune road, Pimpri, Pune 411018, India. Ph: +91 (20) 30610723 / 725 Fax:+91 (20) 30610792 email: kamlesh.trivedi@altana.com

www.elantas.com/beck-india

Northern region: New Delhi

Regional sales manager Ph: +91 (11) 23411664, 23412940 Fax: +91 (11) 23413408 email: <u>ujjwal.chanchal@altana.com</u>

Eastern region: Kolkata

Regional sales manager Ph: +91 (33) 44000500 email: ashok.gouda@altana.com

Southern region: Bengaluru

Regional sales manager Ph: +91 (80) 25281649, 25283093 email: <u>Vishal.wadone@altana.com</u>

Elantas Beck India | Construction Chemicals