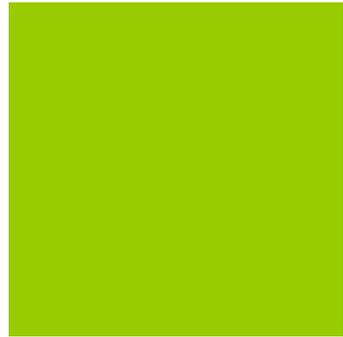


Champion Advanced Materials



EPOXY Systems For Coating & Construction



About us

Champion Advanced Materials (CAM) manufactures **Specialty Chemicals** since 2014. The promoters have experience in Specialty Chemicals since 1947.

CAM is built on Swiss technology and German engineering to produce **Epoxy Resins & Curing Agents**.

CAM has a comprehensive manufacturing facility at **GIDC Jhagadia, Gujarat**. Jhagadia is a chemical zone in a mega industrial estate, strategically located on Delhi-Mumbai Industrial corridor (DMIC) and in proximity of Hazira seaport.

CAM is a **research oriented** manufacturer focused on developing high-performance curing agents and epoxy systems.

CAM endeavours to serve an array of industries:

- Electrical, Electronics & Composites (EEC)
- Coating & Construction (C&C)
- Adhesives

CAM is focused on exporting it's products **globally**. We have customers across the globe i.e. Americas, Europe, Africa, Asia and Middle East.

Coating & Construction Chemical Applications

CAM specializes in high-performance Curing agents for a wide range of applications



General Industrial Coating



Protective Coating



Marine Coating



Powder Coating



Flooring



Tank lining



Pipe Coating



Injection Grout



Tile Grout



Furniture Casting



COATING AND CONSTRUCTION

EPOXY RESIN				
Product	Colour (Gardner)	Epoxy Equivalent (g/eq)	Viscosity @ 25°C (mPa.s)	Remark
CamCoat EPN 1154	<3	165 - 180	25,000 - 35,000	Epoxy Phenol novolac resin for Chemical resistance & heat stability properties
CamCoat EPN 1180	<3	175 - 185	20,000 - 50,000 @ 52°C	Multi-functional Phenol Novolac resin for high-temperature and superior chemical resistance
CamCoat EPN 1180x80	<3	217 - 227	1,200 - 2,000	Solvent-borne Phenol Novolac resin for superior chemical resistance
CamCoat 2004	<1	717 - 800	Clear Solid	Type 4 Solid Resin for Powder Coatings
CamCoat 2007	<1	1,750 - 2,100	1,600 - 2,200	Type 7 Solid Epoxy Resin
CamCoat 2009	<1	2,500 - 2,800	5,000 - 8,000	Type 9 Solid Epoxy Resin
CamCoat 2071	<2	183 - 189	10,000 - 12,000	General purpose Bisphenol-A based basic liquid epoxy resin
CamCoat 2101	<2	182 - 192	500 - 650	Solvent-free coating and flooring
CamCoat 2102	<2	182 - 192	500 - 650	Solvent-free coatings and floorings with superior mechanical properties
CamCoat 2131	<2	196 - 210	530 - 690	Solvent-free coating and flooring with Good flexibility
CamCoat 2171x75	<2	450 - 500	8,000 - 13,000	Bisphenol - A based epoxy resin in use for general industrial
CamCoat 2191	<2	220 - 240	2,500 - 4,000	Cycloaliphatic epoxy resin for weather resistance and outdoor applications
CamCoat 2236x80	<0.5	300 - 350	3,500 - 7,000	Bisphenol - A based epoxy resin in 80% Xylene Solution
CamCoat 2280x90	<3	225 - 280	3,000 - 8,000	Bisphenol - A based epoxy resin in 90% Xylene Solution
CamCoat 2815	<2	180 - 195	500 - 700	Low viscosity liquid resin

REACTIVE DILUENTS				
Product	Colour (Gardner)	Epoxy Equivalent (g/eq)	Viscosity @ 25°C (mPa.s)	Remark
CamCoat 2601	<1	155 - 175	6 - 12	Mono-functional glycidyl ether based on phenol
CamCoat 2602	<1	275 - 325	5 - 10	Mono-functional glycidyl ether based on C12-C14 fatty alcohol
CamCoat 2603	<1	145 - 155	1 - 3	Mono-functional glycidyl ether based on Butanol
CamCoat 2604	<1	175 - 200	5 - 15	Mono-functional glycidyl ether based on Cresol
CamCoat 2605	<1	215 - 240	10 - 30	Mono-functional glycidyl ether based on Para tertiary butyl phenol
CamCoat 2608	<0.5	130 - 160	12 - 25	Diglycidyl ether based on Neopentyl glycol
CamCoat 2609	<1	235 - 245	5 - 15	Mono-functional glycidyl ether based on Cresol New - decanoic acid
CamCoat 2611	<1	120 - 140	10 - 20	Poly-functional glycidyl ether based on 1,4 Butanediol
CamCoat 2612	<1	145 - 150	15 - 25	Poly-functional glycidyl ether
CamCoat 2613	<1	385 - 405	40 - 60	Poly-functional glycidyl ether based on poly propylene glycol

COATING AND CONSTRUCTION

CYCLOALIPHATIC AMINE					
Product	Colour (Gardner)	Amine (mg KOH/g)	Viscosity (mPa.s) @ 25°C	Mix ratio*	Remark
CamCure 2043	<1	260 - 280	200 - 400	100 : 60	Solvent-free coatings. Self-level floorings
CamCure 2046S	<3	310 - 340	200 - 320	100 : 50	Chemical resistant tank linings. Floorings
CamCure 2280	<13	235 - 275	350 - 700	100 : 58	Low viscosity hardener with excellent chemical resistance for high solid coatings
CamCure 2416	<1	250 - 300	300 - 700	100 : 60	Low viscosity hardener used in Self Leveling Floorings, mortars, Maintenance Coatings
CamCure 2519	<2	300 - 330	125 - 275	100 : 50	Solvent-free coatings for heavy-duty corrosion protection and floorings
CamCure 2726	<2	240 - 290	300 - 600	100 : 60	Self-level floorings. Maintenance Coatings
CamCure 2847	<2	350 - 375	150 - 300	100 : 40	Self-level floorings with good chemical resistance. Lining containers in contact with potable water and non-fatty food Food contact approved
CamCure 2919	<1	340 - 370	100 - 200	100 : 45	Low viscosity hardener used for Top Coat Floorings
CamCure 2963	<2	325 - 350	30 - 70	100 : 45	High Performance hardener for Self Level Floorings
CamCure 2964	<2	320 - 340	40 - 70	100 : 50	High-performance solvent-free coatings. Chemical resistant coatings for tanks and pipes
CamCure 2965	<4	300 - 325	100 - 300	100 : 50	Floorings with good chemical resistance. Excellent blushing resistance even at low temperatures. Good low temperatures curing up to 5°C. Lowest tendency to water spotting

AROMATIC AMINE					
Product	Colour (Gardner)	Amine (mg KOH/g)	Viscosity (mPa.s) @ 25°C	Mix ratio*	Remark
CamCure 2830	<10	260 - 285	3,800 - 5,800	100 : 60	Protective coatings. High chemical resistant coatings. Used in combination with CamCure 2850
CamCure 2850	<12	245 - 270	15,000 - 21,000	100 : 60	Protective coatings. High chemical resistant coatings. Used in combination with Cam Cure 2830
CamCure 2969	<18	250 - 290	600 - 900	100 : 60	Low Viscosity curing agent for high chemical resistant coatings

* Mix Ratio is with Epoxy resin EEW-186g/eq

COATING AND CONSTRUCTION

POLYAMINE					
Product	Colour (Gardner)	Amine (mg KOH/g)	Viscosity @ 25°C (mPa.s)	Mix ratio*	Remark
CamCure 1784	<3	290 - 320	30 - 100	100 : 40	Low viscosity curing agent used in solvent free coatings with resistance against water, aqueous alkalis and inorganic acids
CamCure 2721	<3	475 - 525	10 - 60	100 : 33	Low Viscosity curing agent used for chemically resistant tank linings, mortar, grout and maintenance coatings
CamCure 2837	<2	395 - 415	2,900 - 3,600	100 : 35	High-reactivity hardener for industrial maintenance coatings
CamCure 2943	<6	775 - 825	3,000 - 5,000	100 : 20	Tank linings. Chemical process equipments Co-curing agent
CamCure 2958	<7	949 - 999	190 - 250	100 : 18	Injection systems. Co-curing agent
CamCure 2973	<7	300 - 325	900 - 1,400	100 : 45	Tanks, Pipes, Chemical resistant floorings

POLYAMIDOAMINE					
Product	Colour (Gardner)	Amine (mg KOH/g)	Viscosity @ 25°C (mPa.s)	Mix ratio*	Remark
CamCure 2353	<9	310 - 350	2,500 - 3,500	100 : 60	Medium viscosity curing agent for high solid marine & maintenance coating
CamCure 2848	<10	200 - 230	2,500 - 5,500	100 : 70	Marine Coatings & Concrete primers
CamCure 9054	Yellow liquid	400 - 580	600 - 1,200	100 : 50	Bonding old to new concrete. Epoxy Screeds and injection grouting

POLYAMIDE					
Product	Colour (Gardner)	Amine (mg KOH/g)	Viscosity @ 75°C (mPa.s)	Mix ratio*	Remark
CamCure 9115x70	<12	168 - 182	750 - 1,250 @ 25°C	100 : 50	Reactive Polyamide resin solution 70% solids in xylene
CamCure 9115	<12	230 - 260	3,100 - 3,800	100 : 37	Curing agent for flexible, Corrosion resistant Coating application
CamCure 9125	<12	345 - 370	700 - 900	100 : 25	Reactive Polyamide for excellent corrosion resistance
CamCure 9140	<12	370 - 410	300 - 600	100 : 50	Curing agent for high solid Coating, Good Chemical resistant

* Mix Ratio is with Epoxy resin EEW-186g/eq

COATING AND CONSTRUCTION

ANALYTICAL LABORATORY		
Equipment	Brand	Testing
UTM	Instron, USA	Strength – Compressive, Shear
DSC	Mettler Toledo, USA	Glass Transition Temp (Tg)
Auto-Titrator	Mettler Toledo, USA	Epoxy Value & Amine Value
Tintometer	Lovibond, UK	Colour
Viscometer	Brookfield, USA	Viscosity – Kinetic & Dynamic
Glossmeter	BYK, Germany	Gloss
Gel Timer	Gardco, USA	Gel time & Pot life

CAM has a State-of-the-art laboratory with the latest equipment to ensure comprehensive in-house product development and evaluation capability



Instron - UTM



DSC - Mettler Toledo
Glass Transition Temperature (Tg)



Auto-Titrator - Mettler Toledo
Epoxy Value & Amine Value



Viscometer - Brookfield
Viscosity



Gel Timer - Gardco
Gel time & Pot life



Tintometer - Lovibond
Color

COATING AND CONSTRUCTION

RESEARCH & DEVELOPMENT



- CAM has a qualified R & D team continually focused at providing best in class products. CAM has an unwavering commitment to R & D and a culture of innovation, which allows us to create the next generation of quality centric performance materials.
- CAM engages with customers to extend application specific product development & testing services.
- CAM has a State-of-the-art Research & Development and Application Centre with the latest equipment to ensure comprehensive in-house product development and evaluation capability. CAM has a separate Quality Control Laboratory.
- CAM has the facilities to scale-up-production from lab-scale research to in-house pilot plant for consistency, leading up to commercial production on DCS controlled industrial reactors.

CERTIFICATIONS

We pay great emphasis on ensuring that our company, processes and products comply with the latest standards.

- ISO 9001: 2015 - Quality Management System from Bureau Veritas
- ISO 14001: 2015 - Environment Management System from Bureau Veritas
- EcoVadis Silver Rating
- RoHS - Restriction of Hazardous Substances for our Electrical and Composite products
- REACH Compliant for EU
- AEO - Authorised Economic Operator
- ZED Silver Rating - Zero Defect Zero Effect - Sustainable Certification
- RDSO (Indian Railways) - approved Epoxy Adhesives & Insulation systems
- ERDA & CPRI certified systems for Electrical and Composite applications



EPOXY System
for following
applications



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