



CORPORATE OFFICE

Plot No. 1985, Nr. Kamla Cold Storage,
Savli-Manjusar Road, Village Gothada,
Taluka Savli, Dist. Vadodara - 391770,
Gujarat, India



vijaiceo@hotmail.com
sales@vijaipolyproducts.com
export@vijaipolyproducts.com
shrivardhan@vijaipolyproducts.com



+91 70164 58479 | +91 81412 16315
+91 93270 81373 | +91 63543 49146

HIGH PERFORMANCE EPOXY CURING SOLUTIONS

AHMEDABAD

C/2 Shrinidhi Estate, Near Jyoti
Warehouse, Asali, Ahmedabad



Tel: 02718261297
Mob: +91 93270 81373

DELHI

MAK Overseas, 21/3 Mathura
Road, Opp. Pratap Steel,
Ballabgarh, Faridabad
121004, India



+91 98730 60158

USA

15 Berkman Pl, Glen Rock,
NJ 07452



Tel: 1.201.803.3799

About Us

Vijai is a technology-driven manufacturer specializing in Cashew Nut Shell Liquid (CNSL)-based curing agents and epoxy system solutions. Built on deep expertise in renewable raw-material chemistry, Vijai develops advanced curing technologies that balance sustainability, performance, and application flexibility.

The product portfolio includes phenalkamines, phenalkamides with more than 60% bio-based content, CNSL-based reactive diluents, and modified cycloaliphatic and aliphatic amine adducts. These products are engineered to deliver fast curing, excellent adhesion, superior moisture tolerance, chemical resistance, and long-term durability across demanding service environments.

In addition, Vijai offers tailor-made two-pack epoxy systems, enabling customers to simplify formulations while achieving consistent and reliable performance in applications such as flooring, protective coatings, adhesives, sealants, and grouting.



Legacy & Vision

Founded by Late Shri B. G. Sharma, a distinguished polymer technocrat, Vijai was established with a vision to combine deep technical knowledge, sustainable raw materials, and customer-focused development. The company continues to build on this legacy by delivering dependable solutions aligned with evolving regulatory, environmental, and performance requirements.



Product Diversities

Phenalkamines | Lite Phenalkamines

Phenalkamines are bio-based epoxy curing agents derived from cashew nut shell liquid. They deliver fast cure, excellent adhesion, and superior corrosion resistance, even in wet conditions. Lite Phenalkamines offer the performance of conventional Phenalkamines with superior appearance and formulation flexibility.



Phenalkamine Adducts | Lite Phenalkamine Adducts

Phenalkamine adducts are advanced epoxy curing agents developed from renewable cashew nut shell liquid chemistry. They are designed to deliver extended pot life, controlled curing, excellent adhesion, and long-lasting protection in demanding coating applications.



Phenalkamides | Lite Phenalkamides

Hybrid epoxy curing technology combining the advantages of polyamide and phenalkamine chemistries. They serve as an effective alternate to conventional polyamides.



Cycloaliphatic | Aliphatic Amine Adducts

Modified cycloaliphatic and aliphatic curing agents are formulated for easy handling and consistent performance. They are ideal for decorative, industrial, and protective coatings requiring good flow, hardness, and chemical resistance.



Reactive Diluents

Our CNSL-based reactive diluents are sustainable epoxy modifiers designed to reduce viscosity while becoming part of the cured network. They improve flow, wetting, and flexibility without compromising coating performance.



Polyamides

Our Polyamide curing agents are specially developed to use with liquid epoxy resins to produce tough, durable, and chemically resistant epoxy systems. These curing agents provide excellent adhesion to concrete, steel, and other substrates, making them ideal for a wide range of industrial and protective coating applications.



Product Portfolio

Phenalkamine

Products	Viscosity @ 25° C(cps)	Color Gardener	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25° C(Min.)
VIJ 20540	2000 - 4000	MAX 15	490 - 550	35 - 40	35 - 40
VIJ 20541	20000 - 50000	MAX 17	290 - 330	68	75 - 90
VIJ 20541 LV	1500 - 3500	MAX 15	310 - 340	60 - 70	40 - 50
VIJ 20541X90	3000 - 6000	MAX 17	265 - 310	65-75	27
VIJ 20541 LV M	1500 - 3500	MAX 14	280 - 345	66	50 - 70
VIJ 20542	10000-25000	MAX 15	300 - 340	68	55 - 75
VIJ 20543	20000-50000	MAX 17	260 - 300	80	3 - 4 hours
VIJ 20544	250-600	MAX 17	340 - 380	50-55	45 - 55
VIJ 20554	2000 - 4000	MAX 17	200 - 240	100	25 - 30
VIJ 20556	5000 - 10000	MAX 17	395 - 425	50	40 - 50
VIJ 20557	1000 - 2500	MAX 17	340 - 380	50	30 - 40
VIJ 20558	500 - 2000	MAX 15	320 - 360	50 - 55	35 - 45
VIJ 20558 M	500 - 1500	MAX 17	320 - 360	50	30 - 40
VIJ 20558 LV	300-1000	MAX 17	330 - 370	50	25 - 35
VIJ 20558 LVC	500-1500	MAX 15	320 - 360	50	45 - 55
VIJ 20559	4000-8000	MAX 17	340 - 380	55	30 - 40
VIJ 20561	700-1200	MAX 14	270 - 310	70	18 - 25
VIJ 20562	500 - 1500	MAX 17	340 - 380	50	17 - 25

Thin film Dry Hard Time(Hrs)	Special Features
3.5	Low viscosity, fast dry, low temperature curing and excellent surface tolerance.
6	Low-temperature cure, surface tolerant, excellent anti-corrosive properties, solvent free with high bio-content, potential for FDA/Potable Water use.
5	Low Viscosity, rapid cure, solvent free, low VOC, good mechanical stability, excellent adhesion and corrosion resistance.
2	Solvent cut version for better handling.
7	Low Viscosity, rapid cure, solvent free, low VOC, good mechanical stability, excellent adhesion and corrosion resistance.
5	Solvent Free, suitable for curing at low temperatures and offers high mechanical stability.
6 to 7	Long pot life with high viscosity, making it an ideal choice for durable and controlled adhesive applications.
2 to 3	Low-viscosity, fast dry hard time, compatible with conventional and plural-component spray systems.
3	Fast cure performance, making it ideal for protective coating applications.
4	High mechanical stability with excellent corrosion and chemical resistance.
4	Excellent chemical and early water resistance, offering fast curing and strong adhesion.
8	Excellent adhesion to unprepared surfaces, easy to apply, good gloss, corrosion resistance, solvent free.
8	Moderate viscosity, excellent adhesion, solvent-free, moisture-tolerant curing, rapid ambient cure, good corrosion resistance.
3.5	Low viscosity for superior workability, moisture-tolerant during curing, and excellent rapid cure at low ambient temperatures.
9.5	Low viscosity, low fumes, good gloss, excellent adhesion.
4	Good mechanical strength, fast curing, good chemical resistance, ideal product for pipe coating application.
2.5	Excellent chemical resistance, fast curing, underwater curing, good abrasion resistance, good mechanical stability.
2	Excellent chemical resistance, fast curing, good abrasion resistance, good mechanical stability.

Product Portfolio

Phenalkamine

Products	Viscosity @ 25°C(cps)	Color Gardener	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25°C(Min.)
VIJ 20563	600 - 1500	MAX 17	170 - 210	100	20 - 25
VIJ 20568	800 - 1300	MAX 17	300 - 360	50	40 - 50

Thin film Dry Hard Time(Hrs)	Special Features
5	Excellent chemical resistance, good gloss, fast curing.
4.5	Self-leveling, benzyl alcohol free, rapid cure at low temperature and good corrosion resistance.

Lite Phenalkamine

Products	Viscosity @ 25°C(cps)	Color Gardener	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25°C(Min.)
Lite VIJ 20540	2000 - 4000	MAX 10	490 - 550	35 - 40	35 - 40
Lite VIJ 20541	15000 - 50000	MAX 10	290 - 330	68	75 - 90
Lite VIJ 20541X90	3000 - 6000	MAX 10	265 - 310	75	> 40
Lite VIJ 20543	20000 - 50000	MAX 10	260 - 300	80	3 - 4 HR
Lite VIJ 20558	500 - 2000	MAX 10	320 - 360	50 - 55	40 - 50
Lite VIJ 20541 LV	2000 - 4000	MAX 10	280 - 320	66	50 - 65
Lite VIJ 20557	1500 - 3000	MAX 10	320 - 380	50	45-55
Lite VIJ 20544	250-600	MAX 10	340 - 380	50-55	45-55

Thin film Dry Hard Time(Hrs)	Special Features
7	Low viscosity, fast dry, low temperature curing and excellent surface tolerance.
6	Low-temperature cure, surface tolerant, excellent anti-corrosive properties, solvent free for higher solids coatings, potential for FDA potable water use.
4	Solvent cut for good handling.
10	Long pot life with high viscosity, making it an ideal choice for durable and controlled adhesive applications.
8.5	Excellent adhesion to unprepared surfaces, easy to apply, good gloss, corrosion resistance, solvent free, low viscosity, solvent free, benzyl alcohol free, moisture tolerant, fast curing.
6	Good mechanical stability, excellent adhesion and corrosion resistance.
6.5	Excellent chemical resistance with early water resistance.
2.5	Low-viscosity, fast dry hard time, compatible with conventional and plural-component spray systems.

Lite Phenalkamide

Products	Viscosity @ 25°C(cps)	Color Gardener	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25°C(Min.)
Lite VIJ 2024	35000 - 45000	MAX 10	230 - 270	82 - 86	70 - 80
Lite VIJ 2024 MD	30000-40000	MAX 10	230-270	82-86	70-80

Thin film Dry Hard Time(Hrs)	Special Features
6	High-viscosity, rapid drying, excellent water resistance, and good flexibility.
7	High-viscosity, rapid drying, excellent water resistance and good flexibility.

Product Portfolio

Lite Phenalkamide

Products	Viscosity @ 25°C(cps)	Color Gardner	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25°C(Min.)	Thin film Dry Hard Time(Hrs)	Special Features
Lite VIJ 2025	8000 - 12000	MAX 10	370 - 400	50 - 55	50 - 60	8	Low viscosity, fast drying for solvent-free coatings, with excellent adhesion and corrosion protection.
Lite VIJ 2026	1000 - 2000	MAX 10	340 -380	60	40 - 55	3.5	Lower viscosity, good flexibility, corrosion resistance, good adhesion.
Lite VIJ 2027	800 - 1300	MAX 10	410 - 450	50	50-70	8	Low viscosity, outstanding mechanical stability, good corrosion resistance, good adhesion.
Lite VIJ 2028	25000 - 35000	MAX 10	330 - 360	65	40 - 50	5	High-viscosity phenalkamide for advanced two-pack adhesive systems.
Lite VIJ 2029	25000-35000	MAX 10	190-250	100	50-70	5	Fast hardness development, good anticorrosion performance, cost effective compared to polyamides.
Llite VIJ 2030	4000-6000	MAX 10	240-280	75	60-80	4	Suitable for high-solids applications, it exhibits the benefits of both polyamide and phenalkamine systems.
Lite VIJ 2024X80	4000-8000	MAX 10	190-230	57 with VIJ 5055X75	>100	1.5	Solid content (80%), phenalkamide with good reactivity, excellent corrosion resistance on metal surfaces, and suitable viscosity for high film-build applications.

Phenalkamine Adduct : Color (Gardner) - MAX 15

Products	Viscosity @ 25°C(cps)	NVM %	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25°C(Min.)	Thin film Dry Hard Time(Hrs)	Special Features
VIJ 2062	1000-2500	64-66	160 - 240	100	85 - 100	3	Fast cure, good blush resistance, extended service life in marine zones.
VIJ 2062 M	1000-3000	68-72	160-210	85	85-100	3	Fast cure, excellent adhesion, good chemical and corrosion resistance, surface tolerant, suitable for protective coatings.
VIJ 2063	3000-5000	78-82	230-270	86	55-75	3	Low viscosity, high solids & fast cure.
VIJ 2064	500-1500	58-61	150-180	100	90-110	3	Rapid hardness development, excellent flexibility, with lower solids content.
VIJ 2065	300-700	61-64	150-200	100	90-110	1.5	High levels of mechanical stability.
VIJ 2066	6000-12000	74-76	205-235	80	50-70	2.5	Excellent adhesion on marginally prepared surfaces with resistance to alkaline, acidic, and saline solutions.
VIJ 2067	1000-2500	68-72	160-240	85	60-80	5.5	Fast cure with excellent adhesion, blush resistance, and corrosion protection.
VIJ 20556X80	2800-8000	78-82	310-350	80	70-75	3.5	Medium viscosity, fast cure and hardness development at ambient temperatures, good film build, excellent chemical and corrosion resistance, and strong adhesion.

Product Portfolio

Lite Phenalkamine Adduct : Color (Gardner) - MAX 10

Products	Viscosity @ 25° C(cps)	NVM %	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25° C(Min.)	Thin film Dry Hard Time(Hrs)	Special Features
Lite VIJ 2062	500-2500	64-66	160 - 240	100	85 - 100	3	Fast cure, good blush resistance, extended service life in marine zones.
Lite VIJ 2062 M	1000-3000	68-72	160-210	85	85-100	3	Fast cure, excellent adhesion, good chemical and corrosion resistance, surface tolerant, suitable for protective coatings.
Lite VIJ 2063	3000-5000	78-82	230-270	86	55-75	3	Low viscosity, high solids & fast cure.
Lite VIJ 2064	500-1500	58-61	150-180	100	90-110	3	Rapid hardness development, excellent flexibility, with lower solids content.
Lite VIJ 2065	300-700	61-64	150-200	100	90-110	1.5	High levels of mechanical stability.
Lite VIJ 2066	6000-12000	74-76	205-235	80	50-70	2.5	Excellent adhesion on marginally prepared surfaces with resistance to alkaline, acidic, and saline solutions.
Lite VIJ 2067	1000-2500	68-72	160-240	85	60-80	5.5	Fast cure with excellent adhesion, blush resistance, and corrosion protection.
Lite VIJ 20556X80	2800-8000	MAX 80	310-350	80	70-75	3.5	Medium viscosity, fast cure and hardness development at ambient temperatures, good film build, excellent chemical and corrosion resistance, and strong adhesion.

Modified Aliphatic And Cycloaliphatic Amines

Products	Viscosity @ 25° C(cps)	Color Gardener	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25° C(Min.)	Thin film Dry Hard Time(Hrs)	Special Features
VIJ 2050 CA	100-250	MAX 2	380-450	50	30-45	3	Good impact strength, blush resistance, good gloss and flexibility.
VIJ 2051 A	300-700	MAX 2	300-360	53	20-30	3	Good color stability, chemical resistance, resistance to water spotting, excellent flow & self levelling properties.
VIJ 2052 A	30-100	MAX 2	300-340	40	110-130	10	Very low viscosity, long pot life, high flexibility & good color stability.
VIJ 2053 A	800-2000	MAX 6	640-680	25	15-25	4	Easier handling and faster pot life for civil engineering application, High heat distortion temperature.
VIJ 2053 M	5000-9000	MAX 3	190-210	100	10 15	1.5	Strong adhesion, fast curing, high crack-bridging ability, good mechanical strength, durable floor repair performance.
VIJ 2054 A	200-400	MAX 2	280-330	50	45-55	7	Good toughness, exudation resistance, very nice gloss, long pot life & good flexibility.
VIJ 2054 M	50-200	MAX 2	260-320	50	50-60	9	Good Gloss, high strength for ESD flooring.

Product Portfolio

Modified Aliphatic And Cycloaliphatic Amines

Products	Viscosity @ 25°C(cps)	Color Gardener	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25°C(Min.)	Thin film Dry Hard Time(Hrs)	Special Features
VIJ 2055 A	500-700	MAX 2	240-290	58	35-45	4.5	Excellent gloss, low viscosity, short gel time, rapid early hardness development & good chemical resistance.
VIJ 2055 M	270-380	MAX 1	260-300	60	28-45	7	Excellent self levelling, blush resistance, excellent gloss, good color stability, consistent mechanical and chemical resistance, balanced gel time.
VIJ 2056 A	30-130	MAX 1	340-390	45	30-40	3.5	Excellent flow and levelling, good flexibility and hardness, and strong chemical resistance.
VIJ 2057 A	800-1200	MAX 1	395-435	40	25-35	2	Fast curing at ambient and low temperatures with excellent flow, levelling, and chemical resistance.
VIJ 2058 A	300-500	MAX 1	385-410	45	45-55	10	Long pot life, excellent color stability, low blushing and exudation, very good flexibility.
VIJ 2059 A	300-600	MAX 2	255-280	60	30-40	4.5	Solvent-free, high-solids coating with excellent color stability, high gloss, non-blushing film, and strong chemical resistance.
VIJ 2060 A	20-30	MAX 5	300-340	41	20-30	6	High thermal resistance with novolac epoxy systems, very low viscosity, and fast gel time.
VIJ 2061 A	10000-20000	MAX 12	350-450	100	3-5	2	Suitable for ambient and low-temperature curing, ideal for stud reflector adhesive applications.
VIJ 2071 A	140-340	MAX 2	265-295	50	80-95	8	High gloss with excellent color stability.
VIJ 2072 A	30-70	MAX 2	350-380	45	15-25	2.5	Fast-curing, low-viscosity, excellent adhesion and chemical resistance.
VIJ 2073 A	300-600	MAX 2	290-340	68	15-25	1.5	Fast Cure, good pot life, good adhesion to concrete and primer, moisture and chemical resistance.

Reactive Epoxy Diluent

Products	Type	Viscosity @ 25°C(cps)	Color Gardener	Epoxy Equivalent Weight	Special Features
BG 2013	Mono-functional Reactive Diluents	50 - 75	MAX 13	425-575	Reactive diluent for viscosity reduction and improved flexibility.
Lite BG 2013	Mono-functional Reactive Diluents	50 - 75	MAX 8	425-575	Provides good flexibility and impact resistance, low viscosity, suitable for formulation of high solid system.

Product Portfolio

Polyamide

Products	Viscosity @ 40°C(cps)	Color Gardener	Amine Value (mgKOH/g)	Solid (%NVM)	PHR with epoxy resin (EEW=190)
VIJ 6115	40000-60000	MAX 10	230-260	Solvent free	100
VIJ 6115X70	1000-2500@(25°C)	MAX 10	160-200	68-72	100
VIJ 6125	8000 - 15000	MAX 10	330 - 360	Solvent free	65
VIJ 6125 LA	5000-15000	MAX 10	200 - 260	Solvent free	65
VIJ 6140	3000 - 6000	MAX 10	370 - 410	Solvent free	50
VIJ 6160	500-1000	MAX 10	390-425	Solvent free	50

Gel Time @ 25°C(Min.)

Special Features

100 min High build coatings, excellent for corrosion resistant coatings and epoxy adhesives.

10 hour High build coatings, excellent for corrosion resistant coatings and epoxy adhesives.

50 - 80 Excellent for protective surface coatings.

>90 High-imidazoline content polyamide offering excellent adhesion, superior flexibility, and reliable corrosion protection.

50 - 70 Excellent for protective surface coatings. Adhesive for epoxy amide adduct and artificial jewellery.

100-120 Excellent in casting, potting, flooring, civil engineering applications.

Modified Epoxy Resin

Products	Viscosity @ 25°C(cps)	Color Gardener	Epoxy Equivalent Weight
VIJ 5050	10000-14000	MAX 1	190
VIJ 5051	800-1500	MAX 1	200-240
VIJ 5052	25000-35000	MAX 1	190
VIJ 5053	400-1000	MAX 1	190-200
VIJ 5054	900-1500	MAX 1	200-230
VIJ 5055X75	7000-11000	MAX 1	450-525
VIJ 5057	1500-2500	MAX 1	192
VIJ 5025	400-800	MAX 1	194

Special Features

Standard-viscosity liquid epoxy resin offering excellent versatility and reliable performance for multiple industrial applications.

Modified epoxy resin designed for primer and screed systems, offering excellent flow, adhesion, and durability.

Modified, high-viscosity epoxy resin designed for high-strength bonding applications. It is widely used in the Bangle industry and handicraft applications due to its excellent water resistance, long pot life, and high filler-loading capacity.

Liquid modified epoxy resin recommended for self-leveling flooring systems and high-gloss top-coat applications.

A low-viscosity modified epoxy resin used for grout applications, providing excellent flow and penetration.

A solvent-cut modified epoxy resin ideal for protective coatings, providing durable and reliable protection.

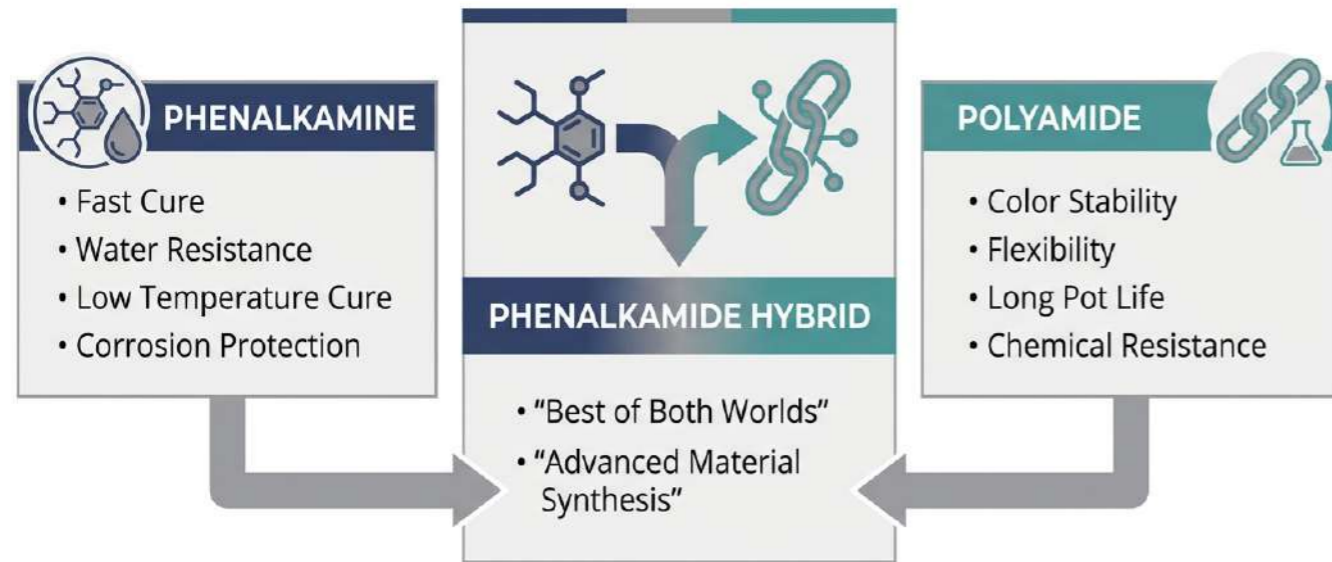
A low-viscosity modified epoxy resin ideal for grout applications, offering excellent flow, deep penetration, strong adhesion, and high gloss.

A low-viscosity modified epoxy resin used for waterproofing and chemical-resistant applications.

Phenalkamide

Phenalkamide is a new generation epoxy curing agent created by chemically combining polyamide and phenalkamine technologies into a single hybrid system. It bridges the performance gap between these two chemistries, delivering a balanced and versatile curing platform for advanced coating applications.

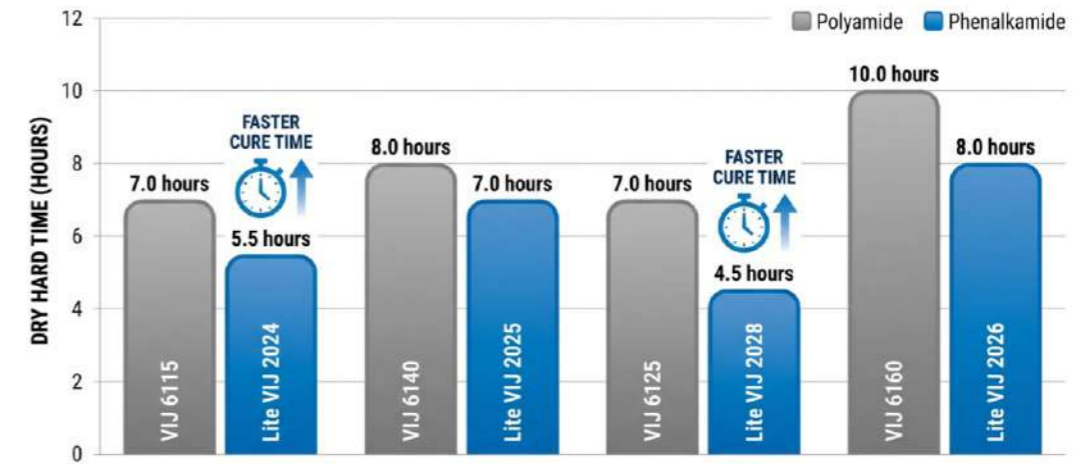
PHENALKAMIDE HYBRID CHEMISTRY



Lite Phenalkamide

Products	Viscosity @ 25°C(cps)	Color Gardener	Amine Value (mgKOH/g)	PHR (EEW=190)	Gel Time @ 25°C (Min.)	Thin film Dry Hard Time(Hrs)
Lite VIJ 2024	35000 - 45000	MAX 10	230 - 270	82 - 86	70 - 80	6
Lite VIJ 2024 MD	30000-40000	MAX 10	230-270	82-86	70-80	7
Lite VIJ 2025	8000 - 12000	MAX 10	370 - 400	50 - 55	50 - 60	8
Lite VIJ 2026	1000 - 2000	MAX 10	340 -380	60	40 - 55	3.5
Lite VIJ 2027	800 - 1300	MAX 10	410 - 450	50	50-70	8
Lite VIJ 2028	25000 - 35000	MAX 10	330 - 360	65	40 - 50	5
Lite VIJ 2029	25000 - 35000	MAX 10	190-250	100	50-70	5
Lite VIJ 2030	4000-6000	MAX 10	240-280	75	60-80	4
Lite VIJ 2024X80	4000-8000	MAX 10	190-230	57 with VIJ 5055X75	>100	1.5

Our Phenalkamides are also available in regular color grade



THIN FILM DRY HARD TIME COMPARISON @ 25°C- POLYAMIDE VS PHENALKAMIDE

Performance Advantages:

1. Rapid development of early hardness.
2. Cost effective system.
3. Reduced induction time compared to conventional polyamides.
4. Ambient cure at 5°C without external acceleration.
5. Lower glass transition temperature gradient during cure, minimizing internal stress.

Our Most Recommended Products



VIJ 2026

Used for: Concrete Flooring

- Low-viscosity Phenalkamide for concrete floor coating systems
- Allows high filler loading
- Enhanced mechanical strength
- Superior floor system performance



VIJ 2025 | VIJ 2030

Used for: Waterproofing & Tank Lining

- Superior substrate wetting
- Excellent mechanical strength & chemical resistance
- VIJ 2030 is excellent choice for protective coatings.
- Low shrinkage and excellent adhesion
- Lite VIJ 2025 can be used for coving



VIJ 2024 | VIJ 2030 | VIJ 2027

Used for: Protective & Marine Coating

- High solid epoxy system component
- Excellent corrosion resistance
- Superior adhesion to steel and alloys
- Long-term durability in harsh environments
- Lite VIJ 2030 is rapid curing suitable for Protective Coating Application



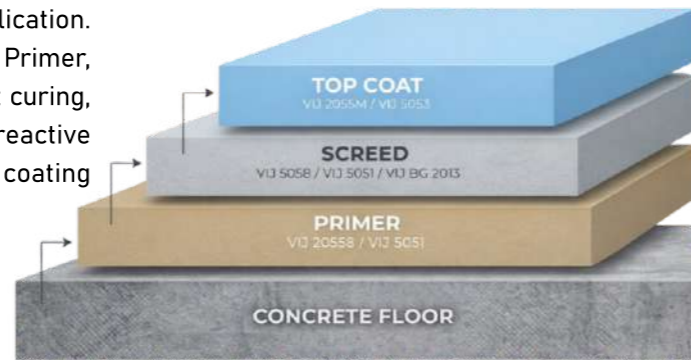
LITE VIJ 2024 MD | VIJ 2028

Used for: Adhesives & Sealants

- Majorly used in epoxy adhesive Formulations
- Good flexibility
- Suitable for severe exposure conditions
- Can be applied in low temperatures

High-Performance Epoxy Floor Coating System

Vijai offers a complete solution for floor coating application. Hardeners and modified epoxy resin offered by Vijai for Primer, screed and topcoat applications are very low viscous, fast curing, with good self levelling properties. Vijai also offers reactive diluents based on CNSL chemistry to facilitate floor coating application and performance.



Role of Reactive Diluents in Epoxy Systems

Cardanol-based reactive diluent becomes an integral part of the cured coating film, delivering enhanced performance while reducing environmental impact.

Key Benefits

- Improved flexibility
- Excellent water resistance
- Strong chemical resistance
- Reduced viscosity
- Increased bond strength
- Cost-effective compared to conventional reactive diluents.

KEY MARKETS SERVED



Products	Description	Special Features
----------	-------------	------------------

Part B: Hardner

Primer Products

VIJ 20558	Phenalkamine	Excellent adhesion to unprepared surfaces, easy to apply, good gloss, corrosion resistance, solvent free.
VIJ 20558 LVC	Phenalkamine	Low viscosity, low fumes, good gloss, excellent adhesion.
VIJ 20541 LV	Phenalkamine	Low Viscosity, rapid cure, solvent free, low VOC, good mechanical stability, excellent adhesion and corrosion resistance.
VIJ 20561	Phenalkamine	Excellent chemical resistance, fast curing, underwater curing, good abrasion resistance, good mechanical stability.
VIJ 20562	Phenalkamine	Excellent chemical resistance, fast curing, good abrasion resistance, good mechanical stability.
VIJ 20563	Phenalkamine	Excellent chemical resistance, good gloss, fast curing.

Part A: Modified Epoxy Resin

VIJ 5051	Modified Epoxy Resin	Modified epoxy resin designed for primer and screed systems, offering excellent flow, adhesion, and durability.
----------	----------------------	---

Products	Description	Special Features
----------	-------------	------------------

Part B: Hardner

Screed Products

VIJ 20558	Phenalkamine	Excellent adhesion to unprepared surfaces, easy to apply, good gloss, corrosion resistance, solvent free.
VIJ 20558 LVC	Phenalkamine	Low viscosity, low fumes, good gloss, excellent adhesion.
VIJ 20541 LV	Phenalkamine	Low Viscosity, rapid cure, solvent free, low VOC, good mechanical stability, excellent adhesion and corrosion resistance.
VIJ 20561	Phenalkamine	Excellent chemical resistance, fast curing, under water curing, good abrasion resistance, good mechanical stability.
VIJ 20562	Phenalkamine	Excellent chemical resistance, fast curing, good abrasion resistance, good mechanical stability.
VIJ 20563	Phenalkamine	Excellent chemical resistance, good gloss, fast curing.
VIJ 2026	Phenalkamide	Lower viscosity, good flexibility, corrosion resistance, good adhesion.

Part A: Modified Epoxy Resin

VIJ 5051	Modified Epoxy Resin	Modified epoxy resin designed for primer and screed systems, offering excellent flow, adhesion, and durability.
----------	----------------------	---

Products	Description	Special Features
----------	-------------	------------------

Part B: Hardner

Topcoat Products

VIJ 2050 CA	Modified Aliphatic and Cycloaliphatic Amines	Good impact strength, blush resistance, gloss and flexibility.
VIJ 2051 A	Modified Aliphatic and Cycloaliphatic Amines	Good color stability, chemical resistance, resistance to water spotting, excellent flow & self levelling properties.
VIJ 2055 M	Modified Aliphatic and Cycloaliphatic Amines	Medium Viscosity, with good color stability, consistent mechanical and chemical resistance, balanced gel time.
VIJ 2054 A	Modified Aliphatic and Cycloaliphatic Amines	Good toughness, Exudation resistance, very nice gloss, long pot life & good flexibility.

Part A: Modified Epoxy Resin

VIJ 5053	Modified Epoxy Resin	Liquid modified epoxy resin recommended for self-leveling flooring systems and high-gloss top-coat applications.
----------	----------------------	--

Protective & Marine Coating

Vijai's bio-based curing agents ensure strong adhesion, corrosion resistance, and long-term performance in saltwater and chemically aggressive conditions. Marine coatings incorporating these curing agents are intended to resist salt water corrosion and fouling, and can be applied for new construction, repair/maintenance situations.



Our Most Recommended Products



VIJ 20561 | VIJ 20562

Low Viscosity Phenalkamines

- Strong adhesion even on damp surfaces
- Very fast curing at low temperatures (<5°C)
- Excellent chemical and water resistance
- Anti-blushing property
- Superior performance in harsh marine environments



VIJ 2062 | VIJ 2063

Low Viscosity Phenalkmaine Adducts

- Salt spray test performance exceeds standards
- Excellent corrosion resistance
- Flexible and durable coating formation
- Low viscosity for easy application
- High solids content for reduced VOC emissions

Technology	Features	Suggested Product Grades
Phenalkamine	<ul style="list-style-type: none"> • Fast low-temperature cure • Excellent moisture tolerance • Superior marine corrosion resistance 	VIJ 20561 VIJ 20562 VIJ 20541 VIJ 20541 LV VIJ 20540 VIJ 20557 VIJ 20558 VIJ 20554 VIJ 20556
Phenalkamine Adduct	<ul style="list-style-type: none"> • Lower-viscosity curing agent with controlled exotherm • Enhanced wetting • An Optimal balance of fast cure and application window • Antiblush property 	Lite VIJ 2062 VIJ 2063 VIJ 2064
Phenalkamide	<ul style="list-style-type: none"> • Durable abrasion resistant films • Flexibility for demanding marine environments 	VIJ 2024 VIJ 2027 VIJ 2029 VIJ 2030
Cycloaliphatic Amine Adduct	<ul style="list-style-type: none"> • Excellent UV stability • High hardness • Chemical resistance for epoxy • Antiblush property 	VIJ 2057 A VIJ 2052 A VIJ 2073 A VIJ 2051 A VIJ 2056 A

Salts spray results after 1000 Hours Exposure

VIJ 2062

66% Solids



ASTM: B117

DFT: 120 µm

Epoxy Resin VIJ 5055X75

VIJ 2064

60% Solids



ASTM: B117

DFT: 120 µm

Epoxy Resin VIJ 5055X75

Advanced Two - Component System

Application	Part	Product	Viscosity @25°C (cps)	Appearance	Colour (Gardner)	Amine Value (mgKOH/g)	Mix Ratio	Gel Time @25°C (min)	Thin film Dry Hard Time(Hrs)
Floor Coating									
Primer screed	PART A	VIJ 5051	800-1500	Clear liquid	MAX 1	N/A	100	30-40	9 - 10
	PART B	VIJ 20558	500-2000	Reddish Brown	MAX 15	320-360	50	30-40	9 - 10
Top Coat	PART A	VIJ 5053	400-1000	Clear liquid	MAX 1	N/A	100	40-60	7 - 8
	PART B	VIJ 2055 M	370-380	Clear liquid	MAX 2	260-285	50	40-60	7 - 8
Waterproofing Tank Lining									
Tank Lining	PART A	VIJ 5025	400-800	Clear liquid	MAX 1	N/A	100	50-70	8
	PART B	VIJ 2025	8000-12000	Amber Liquid	MAX 13	380-400	50	50-70	8
Tile Injection Grouting									
Grouting	PART A	VIJ 5057	1500-2500	Clear liquid	MAX 1	N/A	100	50-70	5
	PART B	Lite VIJ 2027	800-1300	Amber Liquid	MAX 10	410-450	50	50-70	5
	PART A	VIJ 5057	1500-2500	Clear liquid	MAX 1	N/A	100	25-35	5
	PART B	VIJ 2056 A	30-130	Clear liquid	MAX 1	340-390	50	25-35	5
Adhesives									
Bangle	PART A	VIJ 5052	25000-35000	Clear liquid	MAX 1	N/A	100	130-160	10
	PART B	VIJ 20543	20000-50000	Reddish Brown	MAX 17	260-300	80	130-160	10
	PART A	VIJ 5052	25000-35000	Clear liquid	MAX 1	N/A	100	35-50	4
	PART B	VIJ 6060	32000-42000	Amber Liquid	MAX 8	260-280	80	35-50	4
Non-Metal to Metal	PART A	VIJ 5050	10000-14000	Clear liquid	MAX 1	N/A	100	MAX 5	2
	PART B	VIJ 2061 A	10000-20000	Clear to Pale yellow	MAX 12	350-450	100	MAX 5	2
Metal to Metal Glass to Glass	PART A	VIJ 5050	10000-14000	Clear liquid	MAX 1	N/A	100	MAX 5	2
	PART B	VIJ 2061 A	10000-20000	Clear to Pale yellow	MAX 12	350-450	100	MAX 5	2
Protective Coating									
Primer	PART B	VIJ 2062	1000-2500	Reddish Brown	MAX 15	160-240	20	85-100	2.5-3
	PART A	VIJ 5055X75	7000-11000	Clear liquid	MAX 1	N/A	100	85-100	2.5-3
Top Coat	PART B	VIJ 2051 A	300-600	Clear liquid	MAX 2	300-360	50	20-30	6.5
	PART A	VIJ 5053	400-1000	Clear liquid	MAX 1	N/A	100	20-30	6.5

Pipe Coating

Vijai's epoxy pipe coating systems are engineered with advanced phenalkamine and phenalkamine-adduct curing technologies, enabling rapid curing, exceptional adhesion to steel substrates, and enhanced corrosion resistance in harsh and low-temperature environments. Selected grades are additionally designed for potable water epoxy linings, ensuring long-term durability with minimized maintenance requirements.

In addition, our portfolio includes cycloaliphatic amine adduct systems designed to deliver enhanced surface aesthetics, long-term color retention, and outstanding durability in both indoor and outdoor coating environments.



Our Trusted Coating Products



Phenalkamine

- Provides fast cure at low temperature
- Medium to high viscosity, good adhesion
- Excellent corrosion and chemical resistance
- Moisture tolerant
- Majorly used for primer in potable water pipes

VIJ 20558 | VIJ 20557
VIJ 20541 LV | VIJ 20561 | VIJ 20541



Phenalkamine Adduct

- Modified Phenalkamines Tailored for Optimal Pipe Coating Performance
- Rapid cure and excellent anti-sag performance
- Superior Corrosion Protection
- Reduced Blush and surface defect

VIJ 20557 AD | VIJ 20540 VFD
VIJ 20559



Cycloaliphatic | Aliphatic Amine Adduct

- Controlled and Uniform Curing
- Excellent Chemical and Corrosion Resistance
- Strong Adhesion and mechanical strength
- Improved Gloss and surface finish
- Low yellowing and weather resistance
- Compatibility with high solid epoxy systems

VIJ 2060 A | VIJ 2051 A
VIJ 2073 A | VIJ 2057 A

Our Ecosystem

Our Ecosystem Built on Innovation, Responsibility, and Harmony with Nature

