



**RUSTOLENE**



Maintenance | Repair | Overhaul

## Industrial Maintenance, Repair and Overhaul Product Catalogue



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Since its inception in 1959, Pidilite Industries Limited has been a pioneer in consumer and specialty chemicals in India.

Pidilite Industries is the market leader in adhesives and sealants, construction chemicals, hobby colours and polymer emulsions in India. Our brand name Fevicol has become synonymous with adhesives to millions in India and is ranked amongst the most trusted brands in India.

Pidilite is also growing its international presence through acquisitions and is setting up manufacturing facilities and sales offices in important regions around the world. Fevicol is now the largest selling adhesives brand in Asia.

Our product range includes Adhesives and Sealants, Construction and Paint Chemicals, Automotive Chemicals, Art Materials, Industrial Adhesives, Industrial and Textile Resins and Organic Pigments and Preparations. Most of the products have been developed through strong inhouse R&D.

Pidilite Industries now present to you a wide range of MRO products for various industries to meet their needs of general maintenance repairs and overhauling.

**RUSTOLENE**

***m-seal***<sup>®</sup>

**steelgrip**<sup>®</sup>

**HOLDTITE**<sup>™</sup>



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## WD-40® Multiple Maintenance Spray

- Protects metal from rust and corrosion
- Penetrates stuck parts and loosens it
- Displaces moisture and lubricates almost anything
- Removes grease, grime and more from most surfaces

Technical Parameters	
Appearance	Clear or slight cloudy
Colour	Light amber
Odour	Characteristic
Specific gravity @25°C	0.80 ± 0.02
Flash point (Open cup)	49°C
Volatile	70 to 75% by volume
Coverage	14 to 24 m <sup>2</sup> per liter
Salt spray ASTM B-117	0-20% after 72 Hrs

Available in : 32 g, 63.8 g, 170 g, 400 ml, (325 g)  
1 gallon & 55 gallon



### Displaces Moisture

This can be used for removing the moisture from metal substrates, spark plug, and battery terminal



### Penetrate and Loosens

The lower surface tension of product imparting excellent penetration to places where hard to reach and loosens the frozen assembly. It is used for opening of jammed nut -bolt of flange joint, wheel's nut - bolt of vehicle



### Lubricates

It lubricate with rust protection, hence the lubrication is long lasting for all moving assembly. It is used for lubrication of door hinges, gear box, ball bearing, conveyer chains, castors, lock etc



## Rustolene Electrical Contact Cleaner NR 3-30 (Non residual)

- 100% evaporating off line type
- Excellent & fast cleaning
- Quick drying
- Plastic safe
- No CFC with CO<sub>2</sub> propellant

### Application Areas

#### 1 General Application :

Used for cleaning of electrical equipments such as PCBs, potentiometers, coils, connectors, panel boards, relays, rheostats, junctions boxes, control switches, telephone CT, boxes, fuses, motor windings, circuit breakers, sensors, alarm and signal systems

#### 2 Other Applications :

- a) Cleaning of moulds
- b) Cleaning of tools

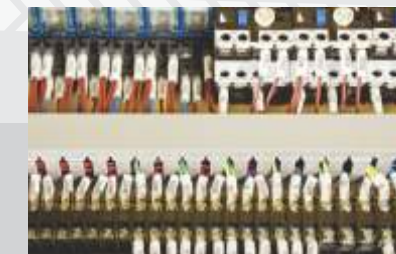
Technical Parameters	
Appearance	Free following clear liquid
Colour	Clear
Specific gravity	0.65 ± 0.1
Evaporation time @ 30°C	Less than 5 minutes
Flammability	Flammable
Effect on plastics	Safe on most of plastics
Coverage per can	25 to 30 sq.ft

Available in : 312 g



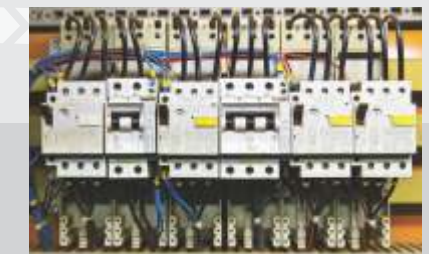
### Circuit Cleaning

For cleaning of all type of PCBs



### Contacts Cleaning

For cleaning of electrical contacts



### Electrical Components Cleaning

For cleaning of circuit breakers, sensors, alarm and signal systems



## Rustolene Rust Disintegrator

- Safe and easy to handle
- Non corrosive - No damage to tools and metal pipe fittings
- Low viscosity - High coverage and offer good penetration
- Good surface wetting - Uniform film spreading property

### Application Areas

In Industries like chemical, mines, power plant, refinery, fertilizer etc, the product can be used for opening of jammed nuts-bolts, cleaning of various components like bearing, gearbox, generator. It also is used for maintenance of pumps, heat exchangers, boilers, cooling towers, farm equipments etc.

Technical Parameters	
Appearance	Clear Liquid
Specific gravity @ 30°C	0.83 ± 0.02
Colour	Reddish
Flash Point	45°C (minimum)
Coverage Per Liter	90 m <sup>2</sup> (approximate)

Available in : 500 ml, 1 ltr & 5 ltr



### Cleaning & Degreasing

For cleaning of carbon, oil, dirt, grease, tar and various sticky materials from equipments



### Penetration & Loosening

For opening of jammed nuts-bolts of flange joints, pipe joints etc.

## Fevikwik 203 One Drop Instant Adhesive

- Colourless
- Solvent-less
- Fast setting
- Ease of application
- Low viscosity
- Good penetration in close fitting parts

### Application Areas

Fevikwik 203 is suitable for bonding plastics, metal and rubber components. It can be also used to lock components which are already assembled. It has typical applications in molded furniture, sign boards, gift articles, besides this it is also used for wide range of industrial applications



Technical Parameters		
Appearance	Clear transparent liquid	
Viscosity at 25°C	1 to 7 cps(approx)	
Flash Point	> 85°C	
Tensile Shear strength	> 80 Kg/sq.cm	
Full curing	24 Hours at ambient	
Operating temperature	(-) 40 to 80°C	
Specific Gravity	1.06 (approx)	
Cure Speed (approx) <small>It does not bond PE, PP and PTFE</small>	Metal to metal	< 15 Seconds
	Plastics to plastics	< 5 Seconds
	Rubber to rubber	< 5 Seconds

Available in : 20 g



### Bonds Rubber

Ideal for making O ring



### Bonds Plastics

Ideal for PVC sheet bonding in door manufacturing



### Bonds Metal to Rubber

Ideal for fixing rubber to metal surface



## Fevikwik GP One Drop Instant Adhesive

- Colorless
- Solvent-less
- Fast setting
- Ease of application
- Medium viscosity

### Application Areas

Fevikwik GP is suitable for bonding plastics, metal and rubber components. It has typical applications in molded furniture, sign boards, gift articles, besides this it is also used for wide range of industrial applications

Technical Parameters		
Appearance	Clear transparent liquid	
Viscosity at 25 °C	40 to 60 cps (approx)	
Flash Point	> 85°C	
Tensile Shear strength	> 100 Kg/sq.cm	
Full curing	24 Hours at ambient	
Operating temperature	(-) 40 to 80°C	
Specific Gravity	1.06 (approx)	
Cure Speed (approx) <small>It does not bond PE, PP and PTFE</small>	Metal to metal	< 20 Seconds
	Plastics to plastics	< 10 Seconds
	Rubber to rubber	< 5 Seconds

Available in : 20 g



### Bonds Rubber

Ideal for making O ring



### Bonds Plastics

Ideal for PVC sheet bonding in door manufacturing



### Bonds Metal to Rubber

Ideal for fixing rubber to metal surface

## Fevikwik Gel One Drop Instant adhesive

- Colorless
- Solvent-less
- Controlled flow
- Longer adjusting time
- Suitable for vertical application

### Application Areas

Fevikwik Gel is suitable for bonding wood, metal, and rubber leather, cardboard and most plastic components. It has typical applications in molded furniture, sign boards, gift articles, besides this it is also used for wide range of industrial applications

Technical Parameters		
Appearance	Clear transparent liquid	
Viscosity at 25 °C	1500 cps (approx)	
Flash Point	> 85 °C	
Tensile Shear strength	> 80 Kg/sq.cm	
Full curing	24 Hours at ambient	
Operating temperature	(-) 40 to 80°C	
Specific Gravity	1.06 (approx)	
Cure Speed (approx) <small>It does not bond PE, PP and PTFE</small>	Metal to metal	< 20 Seconds
	Plastics to plastics	< 10 Seconds
	Rubber to rubber	< 10 Seconds

Available in : 3 g, 20 g



### Fix Name Plate

Ideal for fixing name plate to machine



### Bonds Metal to Rubber

Ideal for joining connector to hose pipe



### Bonds Painted Metal to Rubber

Ideal for fixing rubber gasket to metal part of electrical panel

## Steelgrip PVC Electrical Insulation Tape

- Conforms to IS: 7809 (Part 3 , Sec 1)
- Self extinguishing
- Protects from electrolytic corrosion
- Excellent water resistance
- Suitable for primary insulation up to 440V

### Application Areas

Used in electrical insulation of wire joints in single and three phase wiring. It is used for insulation of wire joint of decorative lights, fans, home appliances, all kinds of electrical motors, resistors, capacitors, electrical circuits, transformers etc.

Technical Parameters	
Colour	Black, Blue, Yellow, Green and Red
Width	As specified
Length	As specified
Total thickness of tape(mm)	0.1 to 0.15
Adhesion to steel (N/10mm width)	1.6 Minimum
Adhesion to backing (N/10mm width)	1.3 Minimum
Tensile strength (N/10 mm width per mm thickness)	150 Minimum
Electrical strength at RT (kV/mm)	40 Minimum
Electrical strength after humid condition (kV/mm)	35 Minimum
Insulation resistance (Ohms)	1x 10 <sup>11</sup> Minimum



Available in : 1.8cmx3m, 1.8cmx7m, 1.25cmx9m, 1.9cmx25m  
Colours available : Red, Green, Blue, Black, White & Yellow.



### Stops Arcing

It holds wire joints tightly and stops arcing due to loose connection



### Stops Shot-Circuiting

It minimise shot-circuiting by protecting from moisture and humidity



### Provides Insulation

It gives excellent electrical insulation resistance in single and three phase wire joints

## Holdtite - Perfect Liquid Sealant

- Shellac based compound
- Good resistance to corrosion
- Conforms to IS: 3447
- Excellent corrosion resistance

### Application Areas

Suitable for pipe and socket joints which are having exposure to hot and cold water and other industrial piping. It is also used as gasket dressing sealant in flange joints and protecting of foundation nuts & bolts, against rusting and jamming



Technical Parameters	
Appearance	Black viscous liquid
Specific gravity	1.25 - 1.45
Hydrostatic pressure (Leak test)	20 (minimum) kg/cm <sup>2</sup>
Temperature resistance	(-20) to 120°C
Curing system	Air Drying
Coverage(Nos of joints) on size (1/2" diameter metal pipe)	30 to 35 Nos

Available in : 50 g, 100 g, 200 g, 500 g & 1 kg



### General Industrial Pipe Jointing

To join threaded pipe for transporting water, steams and various industrial chemicals



### Gasket Dressing

To prevent leakage in flange joints



### Protection against Rust and Vibration

To prevent rusting and loosening of foundation nut-bolt



## Holdtite PTFE Thread Seal Tape

- Resistant to most of chemicals
- Withstands high pressure
- Uniformly thick
- High elongation width wise

### Application Areas

Used for joining and sealing of threaded pipes in industrial pipe lines which carry hot water, cold water, steam, gases, acid, alkali and various solvents. It can also be used for connecting glass fitting for laboratory experiments

#### Technical Parameters

Appearance	Opaque white tape
Width (mm)	12 ± 1
Thickness(Microns)	80 Minimum

Available in : 12 mm X 4 m / 8 m / 12 m,



### General Industrial Pipe Jointing

Used to join threaded pipe for transporting water, steam and various industrial chemicals/solvents



### Joining of Glass Equipments

Used to join glass flask in lab experiments

## Holdtite Plus PTFE Thread Seal Tape

- Non hardening
- Withstands high pressure
- Resistant to most of chemicals
- Yellow colour tape

### Application Areas

Highly suitable for high pressure equipments such as compressors, boilers, hydraulic machines, gas cylinders and steam pipe lines. Also used for joining and sealing of threaded pipes in industrial pipe line which carry hot and cold water, steam, gases, acids, alkali and various solvents

#### Technical Parameters

Appearance	Opaque yellow colour tape
Width (mm)	12 ± 1
Thickness(Microns)	80 minimum

Available in : 12 mm X 10 m



### General Industrial Pipe Jointing

Used to join threaded pipe for transporting water, steam, gas and various industrial chemicals/solvents



### Pipe Jointing for High Pressure Equipment

Used to join high pressure lines like air compressors, steam lines, gas lines, hydraulic machines, gas cylinders etc.



## M-Seal Silicon Sealant - Acetoxy Cure

- Single component RTV
- Acetoxy cure
- Excellent flexibility with anti sag property
- High temperature resistance

### Application Areas

Ideal for sealing glass and aluminium frame joints. Seals cracks around windows, ducts, fixtures, etc. crack filling in RCCs, infrastructure designs, joint sealing in wash basins, kitchen sinks etc.

#### Technical Parameters

Colour & appearance	Clear, White & Black paste
Specific gravity at 30°C	0.92 to 0.99
Skin formation time at 30°C	5 to 20 minutes
Curing speed @ 30°C	3 mm per day
Hardness Shore A after 7 days cure at ambient.	16 to 25 (Shore A)
% Elongation at break at 30°C after 7days	375 minimum
Paintability	Not paintable
Temperature resistance	- 60 to + 180

Available in : 280 ml Cartridge (Clear, White & Black)  
Also available : Applicator gun



#### Seals & Fills Gap

Crack filling in infrastructure design, joint sealing in various industrial equipments used under vibration



#### Seal & Insulate

Seal & insulate electrical junction boxes



#### Seals & Fills Gap

To fill & seals the gaps of floor joint



## M-Seal Silicon Sealant - Neutral Cure

- Single component
- Neutral cure
- Excellent adhesion to glass, metal and ceramics
- Non-corrosive
- Non-sag
- No mixing required
- Free from bad smell

### Application Areas

Ideal for bonding mirror hanging fixture, gap filling. Can be applied on vertical and overhead joint and wide range of industrial uses

#### Technical Parameters

Colour & appearance	Clear & Black homogeneous paste
Flow/Sag at ambient temperature	Nil
Skin formation time at 30°C	5 to 20 minutes
Curing speed @ 30°C	3 mm per day
% Elongation at break at 30°C after 7days	250 minimum
Paintability	Not paintable

Available in : 280 ml clear & black variants  
Also available : Applicator gun



#### Seals & Fills Gap

Crack filling in infrastructure design, joint sealing in various industrial equipments used under vibration



#### Seal & Insulate

Seal & insulate electrical junction boxes



#### Seals & Fills Gap

To fill & seals the gaps of floor joint



## M-Seal General Purpose Epoxy Compound

- Two component epoxy putty
- Sets in 90 minutes
- Excellent chemical resistance
- Excellent insulation resistance
- It can be machined to desired shape

### Application Areas

Ideal for sealing blow holes, cracks in metal casting, pumps, moulds, wooden patterns. Sealing of leakage in tank, vessel, boiler, heat exchanger, pipelines, gear boxes, cooling towers etc. It is also used for insulation of cable terminals, cable entry into switch boxes

Technical Parameters	
Working time at 30°C for 50g mix	15 to 20minutes
Setting time at 30°C for 30g mix by Shore A	60 to 90 minutes
Tensile strength as per ASTM D 638	More than 200 Kg/cm <sup>2</sup>
Compressive strength as per ASTM D 695	More than 400 Kg/cm <sup>2</sup>
Hardness Shore D as per ASTM D2240	More than 75
Overlap shear strength as per ASTM D 1002	More than 90 Kg/cm <sup>2</sup>
Water absorption as per ASTM D 570	Below 0.5%
Service temperature limit	80°C



Available in : 250 g, 1 kg, 4 kg



#### Seals

Ideal for armature balancing in motor winding



#### Builds

Fills the blow hole in metal castings



#### Insulates

Insulates electrical junction boxes, meters, conductors

## M-Seal Phataphat - Epoxy Compound

- Two component epoxy putty
- Sets in 30 minutes
- Excellent chemical resistance
- Excellent insulation resistance
- It can be machined to desired shape

### Application Areas

Ideal for sealing blow holes, cracks in metal casting, pumps, molds, wooden patterns. Sealing of leakage in tank, vessel, boiler, heat exchanger, pipelines, gear boxes, cooling towers etc. It is also used for insulation of cable terminals, cable entry into switch boxes

Technical Parameters	
Working time at 30°C for 50g mix	5 to 10minutes
Setting time at 30°C for 30g mix by Shore A	30 minutes
Tensile strength as per ASTM D 638	More than 200 Kg/cm <sup>2</sup>
Compressive strength as per ASTM D 695	More than 400 Kg/cm <sup>2</sup>
Hardness Shore D as per ASTM D2240	More than 75
Overlap shear strength as per ASTM D 1002	More than 70 Kg/cm <sup>2</sup>
Water absorption as per ASTM D 570	Below 0.5%
Service temperature limit	80°C



Available in : 1 kg



#### Seals

Seals leakage in all types of water tank and pipe lines



#### Builds

Fills the blow hole in metal castings



#### Insulates

Insulates electrical junction boxes, meters, conductors

## Fevitite Stanadard - Epoxy Adhesive

- Two component structural adhesive
- Excellent bond strength
- Bonds to all types of material, except PP and PE
- Sets in 8 hours
- Excellent chemical resistance & long lasting bond

### Application Areas

Ideal for bonding of glass, metal, wood, painted metal, metal alloy, artificial stones, marbles, granites, kadappa, laminates, Bakelites, FRP, sports item etc.

Technical Parameters		
Properties	Resin	Hardener
Appearance	High viscous opaque liquid	High viscous brownish liquid
Viscosity at 25°C (cps)	30000 to 50000	30000 to 50000
Odour	Faint characteristics	Amine odour
Mixing ratio-Resin to hardener	1:1 (by volume), 1:0.8 (by weight)	
Coverage - for flat matting non absorbing substrate (adhesive thickness 100 microns)	10 m <sup>2</sup> /kg	
Properties of resin - hardner	Standard	Typical value
Working time for 100 g mix at 30°C		60 minutes approx
Setting time at 30°C		8 Hrs
Overlap shear strength (MS to MS) Bond cured for 24 Hrs at RT	ASTM D 1002:1983	More than 180 kg/cm <sup>2</sup>
Service Temperature	80°C (approx)	

Available in : 5g, 13g, 36g, 90g, 180g, 450g and 1.8kg



### Engineering Structural Bonding

Ideal for bonding Metal component of heavy machines



### Crack Filling in Metal

Ideal for filling eroded metal



### Glass and Sports Equipment Bonding

Ideal for Glass and Wood bonding



### Engineering & Structural Bonding

Ideal for bonding Metal component of heavy machines

## Fevitite Superfast - Epoxy Adhesive

- Two component adhesive
- High bond strength
- Bonds to all types of material, except PP and PE
- Sets in 3 hrs
- Excellent chemical resistance & long lasting bond

### Application Areas

Ideal for bonding of glass, metal, wood, painted metal, metal alloy, artificial stones, marbles, granites, kadappa, laminates, Bakelites, FRP, sports item etc.

Technical Parameters		
Properties	Resin	Hardener
Appearance	High viscous opaque liquid	High viscous brownish liquid
Viscosity at 25°C (cps)	30000 to 50000	25000 to 40000
Odour	Faint characteristics	Amine odour
Mixing ratio-Resin to hardener	1:1 (by volume), 1:0.8 (by weight)	
Coverage - for flat matting non absorbing substrate (adhesive thickness 100 microns)	10 m <sup>2</sup> /kg	
Properties of resin - hardner	Standard	Typical value
Working time for 100 g mix at 30°C		30 minutes approx
Setting time at 30°C		3 Hrs
Overlap shear strength (MS to MS) Bond cured for 24 Hrs at RT	ASTM D 1002:1983	More than 160 kg/cm <sup>2</sup>
Service Temperature	80°C (approx)	

Available in : 225 g



### Crack Filling in Metal

Ideal for filling the cracked & eroded metal



### Glass Bonding and Decoration

Ideal for Glass bonding



## Fevitite Rapid - Epoxy Adhesive

- Two component fast and clear adhesive
- Rapid setting
- Bonds to all types of material, except PP and PE
- Sets in 5 minutes
- Excellent chemical resistance

## Application Areas

Ideal for bonding of glass, metal, wood, painted metal, metal alloy, artificial stones, marbles, granites, kadappa, laminates, Bakelites, FRP, sports item and bonding of electrical and electronic components

Technical Parameters		
Properties	Resin	Hardener
Appearance	Pale yellow transparent liquid	Colourless transparent liquid
Viscosity at 25°C (cps)	40000 to 60000	10000 to 15000
Odour	Faint characteristics	Strong
Mixing ratio-Resin to hardener	1:1 (by volume), 1:0.8 (by weight)	
Coverage - for flat matting non absorbing substrate (adhesive thickness 100 microns)	10 m <sup>2</sup> /kg	
Properties of resin - hardner	Standard	Typical value
Working time for 5 g mix at 30°C		2 to 3 minutes approx
Setting time at 30°C		5 Minutes
Overlap shear strength (MS to MS) Bond cured for 24 Hrs at RT	ASTM D 1002:1983	More than 100 kg/cm <sup>2</sup>
Service Temperature	80°C (approx)	

**Available in : 7 g, 13 g, 36 g, 90 g and 180 g**



## Bonding of Electrical and Electronics Component

Ideal for bonding metal component of electronic component



## Bonding of Small Auto Component

Ideal for repair work in automobile like clutch



## Glass Bonding and Decoration

Ideal for Glass and Wood bonding

## Notes

## Notes