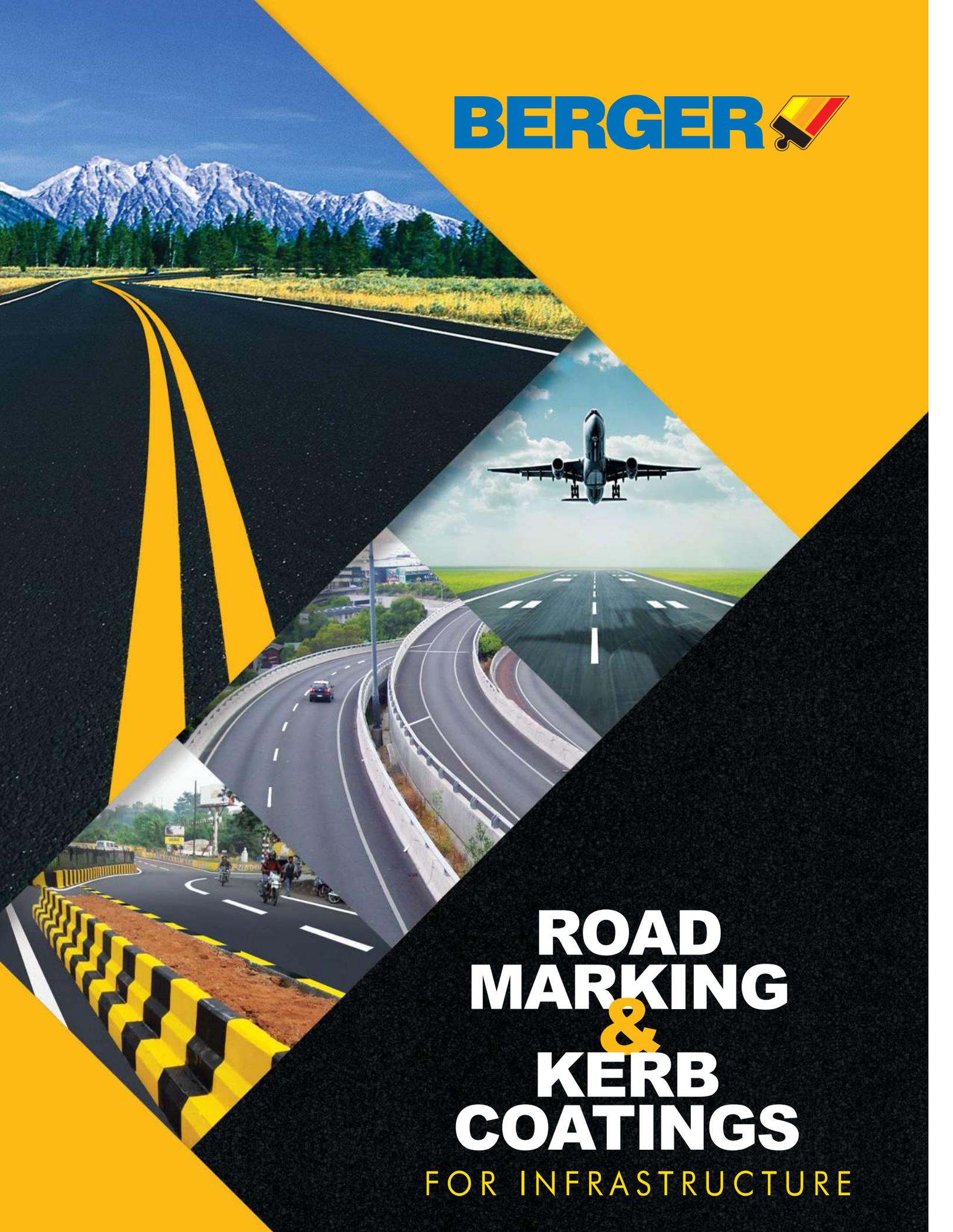


**BERGER** 



**ROAD  
MARKING  
&  
KERB  
COATINGS**

FOR INFRASTRUCTURE



The name Berger or Lewis Berger is today synonymous with colour worldwide. It is a name that goes back two and a half centuries to 1760 when Lewis Berger, a young colour chemist started manufacturing 'Prussian Blue' using a secret process that every designer and householder coveted. Inspired by the imagination of Lewis Berger, the unending quest for creation and innovation in the world of colour and paints still continues in Berger Paints.

The history of Berger Paints India Limited starts in 1923 as Hadfield's (India) Limited, a small colonial venture producing ready-mixed stiff paints, varnishes and distempers, set up on 2 acres of land in one of India's first industrial towns, Howrah, close to Kolkata in Bengal. Subsequently in 1947, British Paints (Holdings) Limited, an international consortium of paint manufacturing companies bought over Hadfield's (India) Limited and thus the name changed to British Paints (India) Ltd. Mr. Alexander Vernon Niblet, an Englishman, took over as its first Managing Director. He was followed by Mr. Alfred Godwin in 1962.

In 1965, the share capital of British Paints (Holdings) Limited was acquired by Celanese Corporation, USA and the controlling interest of British Paints (India) Ltd. was acquired by CELEURO NV, Holland, a Celanese subsidiary.

Subsequently in 1969, the Celanese Corporation sold its Indian interests to Berger, Jenson & Nicholson, U.K. Then onwards the company British Paints (India) Ltd. became a member of the worldwide BERGER group, having its operations across oceans in numerous geographies and this marked the beginning of Lewis Berger's legacy in India. In 1973, the company embarked on a dynamic process of business expansion and innovation, introducing new generation products in the industrial, marine and decorative segments under the able leadership of its first Indian Managing Director Mr. Dongargaokar Madhukar.

The year 1976 was another turning point in the history of the company when the foreign holding in the company was diluted to below 40% by sale of a portion of the shares to the UB Group controlled by Mr. Vittal Mallya. The reins of the company were taken over by Mr. Biji K Kurien as its Chief Executive & Managing Director in the year 1980. Finally in 1983, British Paints (India) Limited, changed its name to Berger Paints India Limited.

The '80s & '90s saw the launch of many new products from the company's stable such as premium emulsions and high quality acrylic distempers. The Colour Bank tinting system was launched through which the consumer could select from a range of over 5000 shades.

1991 was the watershed year that set the company on what is now an almost 30 year path of growth and consolidation that made Berger Paints what it is today – a multi segment leader of the paint industry and market. The UB Group's stake in the company was bought over by the Delhi based Dhingra brothers, Mr. K. S. Dhingra & Mr. G. S. Dhingra and their associates of the UK Paints Group. Presently the Dhingras control a majority stake of almost 73% in Berger Paints India Limited, a professionally managed organization, headquartered in Kolkata. Mr. Subir Bose, a 10-year company veteran, took over as Managing Director on 1 July, 1994. Completing a challenging 18 year stint at the helm with immense success, Mr. Bose retired on 30 June, 2012, handing over the reins of the company to Mr. Abhijit Roy. Today the stewardship rests with the current Managing Director Mr. Abhijit Roy.





### MERGERS & ACQUISITIONS

- 2006 : **ICI** - Motors & Industries Business
- 2013 : **Sherwin Williams** - Decorative Business
- 2017 : **Saboo Coatings** - Specialty Coatings

### JOINT VENTURES

- Becker Coatings** - Coil Coatings
- Nippon Automotive Paints**, Japan - Cars & 3-wheelers
- Rock Paints**, Japan - Refinish Paints

### STRATEGIC ALLIANCES

- Sherwin Williams** - Wood Coatings
- Promat** - Fire-proof Coatings
- Tigerwerke**, Austria - Powder Coatings
- Chugoku**, Japan - Marine Coatings

### Group Companies - International

- Berger Paints Bangladesh Limited
- Berger Jenson & Nicholson (Nepal) Private Limited
- Berger Paints Overseas Limited - Russia
- Bolix SA - Poland, UK, France, Ukraine

Berger Paints is today the 14th largest paint company in the world, the 4th largest in Asia and the 2nd largest in India; with operations spread over India, Nepal, Poland and Russia.

The Company has 14 manufacturing facilities in India, 2 in Nepal and 1 each in Russia and Poland. Berger Paints owns and operates one of the most advanced paint manufacturing units in India - at Hindupur in Andhra Pradesh. The plant uses advanced robotics and automation that fuels the growing needs of the Company in water-based products.

Berger Paints has 167 Branches spread across India that cater to an ever-growing customer base. To manage its vast operations, Berger Paints has over 3,500 employees on its rolls.

Berger's state-of-the art R&D Facility in Kolkata, which employs the best experts in the industry, has enabled the Company to offer customers some of the most innovative products in the Indian paint industry.

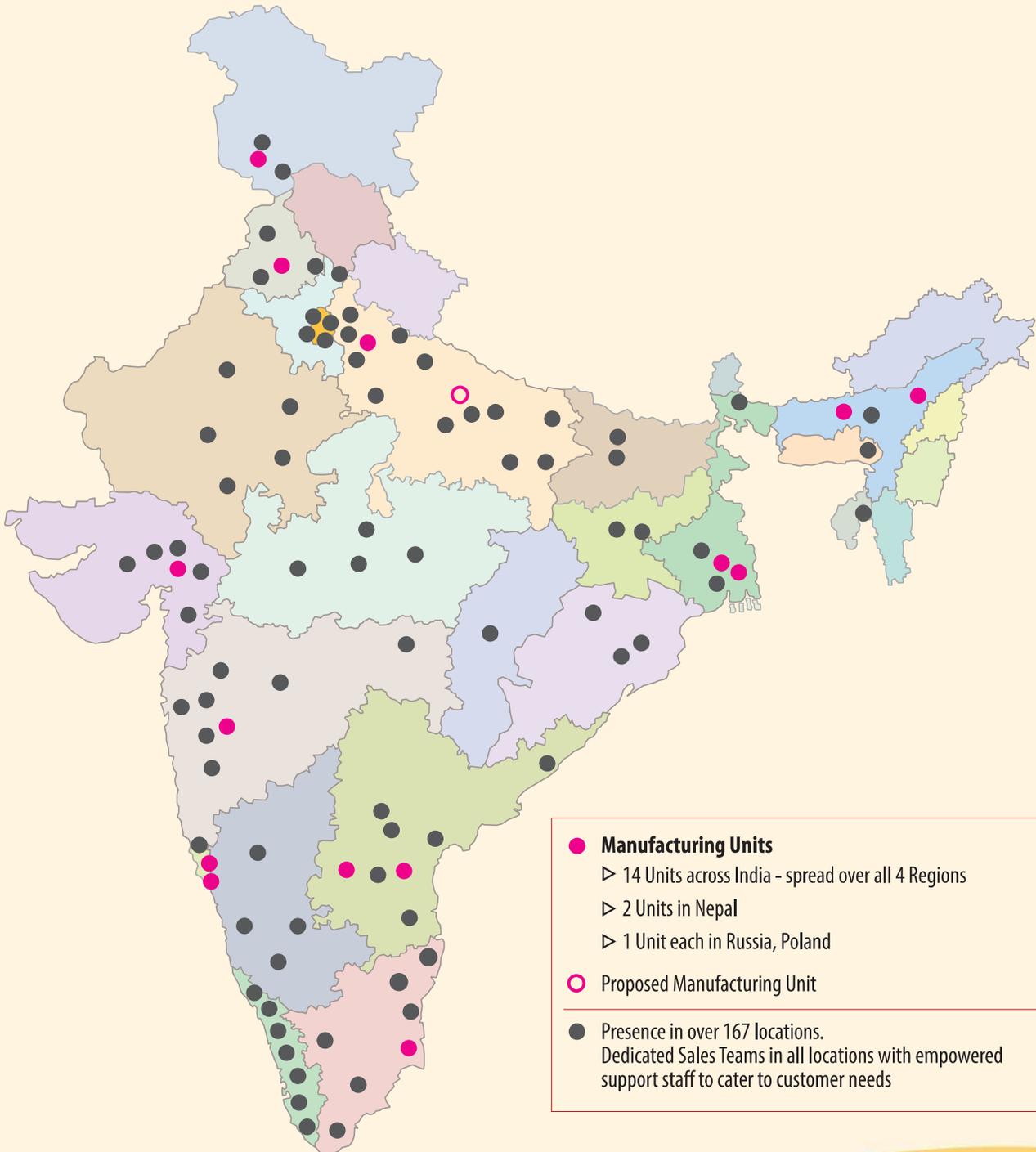
Berger was among the first companies in India to introduce paint tinting systems. Launched in 1996, Berger Color Bank made it possible for consumers to choose from a range of over 5000 shades.

Another Berger first was the launch of Xpress Painting in 2015 – introducing end to end painting solutions that use mechanised tools and trained painters to provide faster, cleaner and better painting solutions.

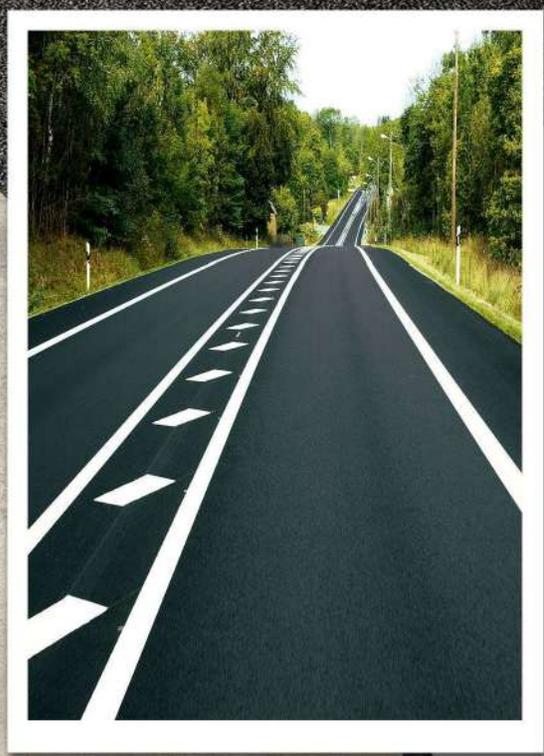
Berger is spreading its wings internationally and the FIFA World Cup 2018 bears testimony to that fact. 3 stadiums and 2 airports in Russia were painted with Berger Weathercoat – Indian technology reaching out to paint world class stadiums. At home, Berger is proud to be the paint brand of choice in painting several iconic structures across the country.

A responsible citizen to the core, Berger proactively pursues strategies that bring multiple societal and environmental benefits to all stakeholders. Commencing in 2014, Berger's i-TRAIN initiative has been providing high quality certified training courses in contemporary painting techniques and related services to create a pool of job-ready new generation painting service providers. With 24 i-TRAIN centres in operation, the initiative has launched "Mobile i-TRAIN" to enable painters in remote areas to access training in the latest painting techniques. Berger's 'Kolkata Street Art Festival' was instrumental in beautifying walls of 'The City of Joy' with works of art by local artists.

Berger is an acclaimed game changer, with a vibrant portfolio of paints and customer-made services in every paint segment – continuously upgrading customers to higher levels of quality and satisfaction.









# COMPREHENSIVE RANGE OF MARKING PAINTS FOR ROADS, KERBS & AIRFIELDS

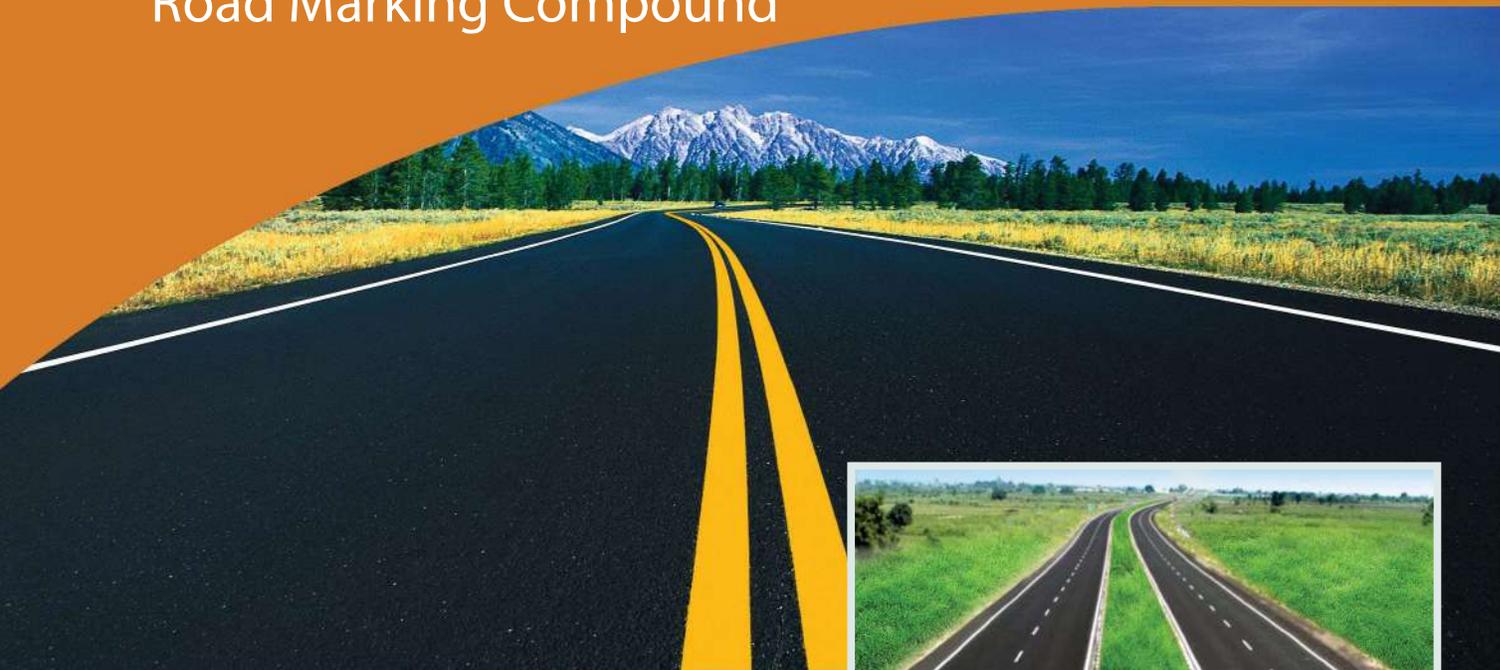


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# Retro Reflective Hot Melt Thermoplastic Road Marking Compound



**Sigmark HMRM Compound** is a Thermoplastic Road Marking Compound made of Hydrocarbon Resin, microfine Pigments (like Titanium Dioxide and durable Chromes) and Aggregates (Quartz/Calcined Flint), unique additives and Type - I Glass Beads (complying with BS 6088) for laying on roads – both bitumen and concrete. It provides excellent durability and high reflective properties. At 180°C (approx.) it has good flow properties for laying which ensures proper adhesion with the substrate and high retro reflectivity on dispersion of “drop on” glass beads.

- **Rapid Drying**
- **High Retro Reflective Performance**
- **Good Flow Property**
- **Good Skid Resistance**
- **High Heat Stability**
- **High Abrasion Resistance**
- **High Opacity**
- **High Protection against UV Degradation**

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces** : Surface must be fully cured, dry and clean. It should be free from loose particles, dirt, oil, grease etc. It is advisable to check the type of BC for the application temperatures at which SIGMARK should be applied, for it may soften the underlay bituminous layer leading to distortion or bleeding through the film. Proper cleaning should be carried out by mechanical cleaning (e.g. Compressor /Blower) followed by wire brushing and brooming before laying of paint.

**Previously Painted Surfaces** : Surface must be thoroughly dry and free from dust, dirt, mud, grease, oil, loose particles or foreign materials. All repair work like joint sealings, filling of cracks, cavities and crevices should be carried out before laying of Thermoplastic paint.

### PRECAUTION FOR SURFACE PREPARATION

The surface should be thoroughly cleaned of mud, dirt, dust, oil, grease etc. before laying of marking paints.

For aged asphalt roads and concrete roads, application of 1 coat of Primer (Sigmark Sealant Compound) is recommended for proper adhesion of the Thermoplastic paint with the road surface.

Thermoplastic material should be applied preferably on a tacky

## DIRECTIONS FOR APPLICATION

**STEP - 1** : SIGMARK should be melted in a 'Thermostat controlled Pre-heater' at a specified temperature (180-220°C) to get a homogeneous molten mass. The molten material should be transferred to the fully automatic/semi-automatic/manual laying apparatus through a proper sieve to filter out any charred material. Do not hold the Thermoplastic material in the molten state above 180°C for more than 6 hrs. Do not increase the temperature above 220°C at any point of time.

**STEP - 2** : The molten SIGMARK Thermoplastic material should be applied while hot, by a screed type fully automatic/semi-automatic/manual applicator. It should be applied in broken or continuous lines of uniform thickness as per specifications. During application, Type - II Glass Beads, conforming to the standard specification, should be sprayed uniformly on the hot layed Thermoplastic surface when it is in a tacky condition.

**STEP - 3** : The finished lines should be straight and free from ruggedness. The upper surface of the lines should be smooth & uniform and free from streaks.

**STEP - 4 (Safety Precaution)** : Vehicular movement should be strictly restricted during application of paint on roads where traffic movement is open, by employing security personnel (if required). For curing of the paint, movement of traffic over the painted surface should be restricted for 45-60 minutes, depending on atmospheric conditions.



### SYSTEM & CONSUMPTION\*

Substrate	System	Recommended No. of Coats	Consumption/Coat/Sq M*	Thickness
Bitumen	Sigmark HMRM Compound	1	5 kg	2.5 mm
	Type - II Glass Beads	NA	250 - 300 g	200 μ - 250 μ
Concrete / Pavement Surface	Sigmark Sealant Compound	1	0.20 lt	10 - 15 μ
	Sigmark HMRM Compound	1	5 kg	2.5 mm
	Type - II Glass Beads	NA	250 - 300 g	200 μ - 250 μ

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

### Recommended Undercoats / PRIMERS

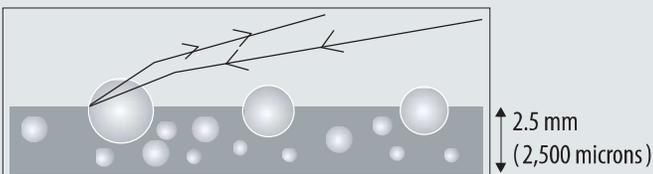
For Concrete / Pavement Surface only, apply 1 coat of Sigmark Sealant Compound @ 10 - 15 microns /coat

**Pack Sizes** HDPE Bag (25 kg)

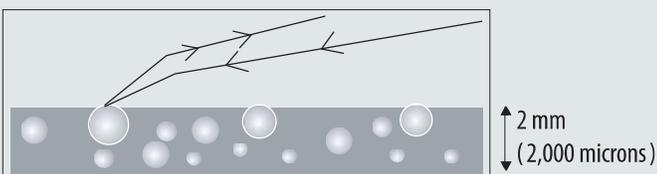
**Shade Range offered** White, Golden Yellow and special colors like Orange and Red (on demand)



**Usage Areas :** On Concrete, Bitumen & Asphalt surfaces.



- 2,500 micron paint film for greater longevity
- Precise “drop on” and “pre mix” Glass Bead sizes to optimize reflective performance throughout the life of a line



- As the paint film and “drop on” Glass Beads wear down “pre mix”



**BERGER**  
**SIGMARK**

HMRM Compound  
conforms to MOST 803.4 & BS 3262 specifications

# Water-based Paint for Kerbs, Roads and Runways



**Guideline RM 164 Paint** is a high performance water-based single pack road marking paint formulated with premium Acrylic Emulsion, suitable Pigments and special Additives like anti-fungal, anti-fading agents etc. It provides excellent wear and tear resistance thus enhancing road safety. It is suitable for painting kerbs, roads, airfields, parking spaces or marking of any concrete/asphalt surface.

- Eco Friendly • High Opacity • Resists Fungal Growth
- Protects against Alkali & UV Degradation • High Dirt Pick Up
- Fast Drying • Saves Solvent / Thinner Costs

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces:** Strip all loose particles from the surface by wire brushing. Alternatively, high pressure water jetting is recommended to ensure that the surface is free from curing materials, contaminants & dirt. Concrete should be fully cured and may need to be mechanically abraded or water blasted to remove any curing compounds.

**Previously Painted Surfaces:** All voids, dents are to be repaired and sealed. Surface should be cleaned by wire brushing to make it free from loose mortar, dirt, oil and grease etc.

### DIRECTIONS FOR APPLICATION

Dilute the paint as per recommended dilution ratio. Stir well, preferably with a gyrosaker, and apply 1 coat of Guideline RM 164 Paint and allow it to dry for at least 45 - 60\*\* minutes. After the first coat dries, apply the second coat and allow it to dry for 60-75\*\* minutes.

\*\* Depends on surface conditions, relative humidity, WFT and ambient temperature etc.

## COVERAGE\*

Substrate	Recommended No. of Coats	Airless Spray / Brush Application / Coat - TCC
Concrete / Bitumen	2	10-14 Sq. M / Litre

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

### Recommended Undercoats / PRIMERS

Preferably not required. If necessary, use 1 coat of Guideline WBC Primer

**Pack Sizes** HDPE Drum (20 lt)

**Shade Range offered** White, Golden Yellow, Black, Bus Green, Signal Red



**Usage Areas :** On Concrete, Bitumen & Asphalt surfaces.



**BERGER**  
**GUIDELINE**

Guideline RM 164 Paint  
conforms to IS 164-1981 specifications

# Water-based Retro Reflective Paint



**Guideline Airfield WBR Paint** is a single component, fast drying water-based cold applied retro reflective airfield marking paint formulated with high volume solid Acrylic Emulsion, microfine Pigments, Extenders and unique Additives that make it anti-fungal, anti-foaming, anti-fading etc. It provides excellent wear & tear resistance and weather proof properties that ensure high durability of the coating. It is suitable for application on concrete and bituminous surfaces – on airfield runways, taxiways aprons; and meets other interior and exterior marking requirements. It has the unique capability of drying within 10-15 minutes\*\*. It provides high retro reflectivity at night due to better embedded “drop on” Glass Beads.

**Quick Drying • Eco Friendly • High Opacity • High Scrub Resistance • High Abrasion Resistance for Longer Wear • Protective against Alkali & UV Degradation • High Dirt Pick Up • Saves Solvent / Thinner Costs • Most importantly, it provides High Retro Reflectivity due to excellent adhesion of glass beads**

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces :** Substrate must be fully cured, dry, sound and clean. Strip all loose particles from the surface by wire brushing. Alternatively, high pressure water jetting is recommended to ensure that the surface is free from curing materials, contaminants & dirt. Concrete should be fully cured and may need to be mechanically abraded or water blasted to remove any curing compounds.

**Previously Painted Surfaces :** All voids, dents are to be repaired and sealed. Surface should be cleaned by wire brushing to make it free from loose mortar, dirt, oil and grease etc.

### DIRECTIONS FOR APPLICATION

Do not dilute the material#. Stir well, preferably with a gyroshaker, and apply 1 coat of Guideline Airfield WBR Paint by airless spray. For retro reflectivity apply “drop on” Glass Beads of Type - II or Type - III as prescribed.

# A little dilution may be required to get proper flow through the nozzle of the spray gun.



## COVERAGE\*

Substrate	Recommended No. of Coats	Airless or Conventional Spray Application /Coat - TCC
Concrete / Bitumen	1	2.5 - 3.0 Sq. M / Litre

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

## Recommended Undercoats / PRIMERS

No priming required

**Pack Sizes** HDPE Drum ( 20 It )

**Shade Range offered** White, Golden Yellow, Black & Lane Red



**Usage Areas :** On Concrete, Bitumen & Asphalt surfaces.



**BERGER**  
**GUIDELINE**  
Guideline Airfield WBR Paint

# Quick Drying Water-based Paint for Traffic Safety



**Guideline QD RM Paint** is a single component, water-based quick drying road marking paint formulated with a special grade of Acrylic Emulsion, light-fast Pigments, unique Additives like anti-fungal, anti-foaming, anti-fading agents etc. It provides excellent wear and weather resistance thus ensuring road safety. It is suitable for application on concrete and bituminous road surfaces at airfield skiplines, runways, taxiways, aprons, parking lots and for internal and external marking requirements. It has the unique capability of drying within 10-15 minutes\*\*.

**Quick Drying • Eco Friendly • High Opacity • High Scrub Resistance • Resists Fungal Growth • Protective against Alkali & UV Degradation • High Dirt Pick Up • Saves Solvent/Thinner Costs**

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces :** Substrate must be fully cured, dry, sound and clean. Strip all loose particles from the surface by wire brushing. Alternatively, high pressure water jetting is recommended to ensure that the surface is free from curing materials, contaminants & dirt. Concrete should be fully cured and may need to be mechanically abraded or water blasted to remove any curing compounds.

**Previously Painted Surfaces :** All voids, dents are to be repaired and sealed. Surface should be cleaned by wire brushing to make it free from loose mortar, dirt, oil and grease etc.

### DIRECTIONS FOR APPLICATION

Do not dilute the material#. Stir well, preferably with a gyrosaker, and apply 1 coat of Guideline QD RM Paint by airless spray.

# A little dilution may be required to get proper flow through the nozzle of the spray gun.

## COVERAGE\*

Substrate	Recommended No. of Coats	Airless or Conventional Spray Application /Coat - TCC
Concrete / Bitumen	1	6.7 - 10 Sq. M / Litre

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

### Recommended Undercoats / PRIMERS

No priming required

**Pack Sizes** HDPE Drum (20 Lt)

**Shade Range offered** White, Golden Yellow, Black, Signal Red



**Usage Areas :** On Concrete, Bitumen & Asphalt surfaces.



**BERGER**  
**GUIDELINE**

Guideline QD RM Paint

# High Build Bicycle Track Paint



**Guideline Bicycle Track Paint** is a 2K water-based Acrylic-Epoxy Hybrid coating system. This is designed for ambient cure and is the most suitable water-based Thermoset coating for external application on concrete exposed to UV effect.

- **Hardness** • **High Abrasion Resistance**
- **Excellent Chemical Resistance** • **Excellent Dilution Stability**
- **Long Pot Life** (4- 6 Hrs)
- **Fast Drying** (surface dry : 25-30 minutes\*\*) • **Cost Effective**
- **Easy to Clean** ( by spraying water only)



## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces :** Substrate must be fully cured, dry, sound and clean. Strip all loose particles from the surface by wire brushing followed by brooming. Alternatively, high pressure water jetting is recommended to ensure that the surface is free from curing materials, contaminants & dirt. Concrete should be fully cured and may need to be mechanically abraded or water blasted to remove any curing compounds.

**Previously Painted Surfaces :** All voids, dents are to be repaired and sealed. Surface should be cleaned by wire brushing to make it free from loose mortar, dirt, oil and grease etc.

### DIRECTIONS FOR APPLICATION

Mark out the surface to be painted with self-adhesive tape. Mix the two components, Base ( Component - A ) and Hardener ( Component - B ) in the ratio of 1:1 ( w/w ) and stir thoroughly, preferably with a gyrosaker, for at least 15-20 minutes for uniform curing and performance. Apply Guideline Bicycle Track Paint with Roller/Brush.

### COVERAGE\*

Substrate	Recommended No. of Coats	Brush Application / Coat - TCC
Concrete	1	1.2-1.5 Sq. M / kg of mixture (Component A & B) for 200µ

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

### Recommended Undercoats / PRIMERS

1 coat of Clear Coat, followed by Intermediate Screed Layer, if desired

**Pack Sizes** HDPE Drum ( 20 kg ) 10 kg Base + 10 kg Hardener

**Shade Range offered** White, Golden Yellow, Bus Green, Lane Red, Blue etc.

**Usage Areas :** Concrete Roads, Floors, Parking Areas etc.



**BERGER** **GUIDELINE**  
Guideline Bicycle Track Paint

# Modified Chlororubber-based Road Marking Paint



**Guideline CR Paint** is a quick drying road marking paint. It is formulated with modified Chlorinated Rubber-based Resin, light-fast Pigments, tough Extenders and unique Additives which make it more durable than conventional solvent-based road marking paints. It provides excellent wear and weather resistance, thus ensuring road safety. Suitable for application on concrete and bituminous surfaced roads, it has the unique capability of drying within 10 minutes\*\*.

- Quick Drying
- Semi Glossy
- High Opacity
- Very Tough & Abrasion Resistant
- Resists Gasoline, Oil & Water
- Does not Bleed on Asphalt

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces :** Strip all loose particles from the surface by wire brushing. Alternatively, high pressure water jetting is recommended to ensure that the surface is free from curing materials, contaminants & dirt. Concrete should be fully cured and may need to be mechanically abraded or water blasted to remove any curing compounds.

**Previously Painted Surfaces :** All voids, dents are to be repaired and sealed. Surface should be cleaned by wire brushing to make it free from loose mortar, dirt, oil and grease etc.

### DIRECTIONS FOR APPLICATION

Dilute the paint as per recommended dilution ratio, if required. Stir well, preferably with a gyrosaker, and apply 1 coat of Guideline CR Paint by airless spray.

## COVERAGE\*

Substrate	Recommended No. of Coats	Brush Application / Airless Spray / Coat - TCC
Concrete / Bitumen	2	4.7 - 11.8 Sq. M / Litre

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

### Recommended Undercoats / PRIMERS

No priming required

**Pack Sizes** Metal Drum (20 It)

**Shade Range offered** White, Golden Yellow, Black, Red, Blue



**Usage Areas :** On Concrete, Bitumen & Asphalt surfaces.



**BERGER**  
**GUIDELINE**

Guideline CR Paint

# Solvent-based Kerb Paint



**Guideline SB RM Paint** is a single pack, alkyd based, kerb and median marking paint which ensures safety on roads with excellent wear and weather resistance properties. It is suitable for kerb painting of new and existing concrete surfaces and precast concrete medians. It is recommended for concrete and paved block surfaces on city roads and also over steel rails and separators over a suitable primer / coating.

**Full Gloss • Tough Film • Better Washability**

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces :** Substrate must be fully cured, dry, sound and clean. Strip all loose particles from the surface by wire brushing. Alternatively, high pressure water jetting is recommended to ensure that the surface is free from curing materials, contaminants & dirt. Concrete should be fully cured and may need to be mechanically abraded or water blasted to remove any curing compounds.

**Previously Painted Surfaces :** All voids, dents are to be repaired and sealed. Surface should be cleaned by wire brushing to make it free from loose mortar, dirt, oil and grease etc.

### DIRECTIONS FOR APPLICATION

Apply 1 coat of BP Cement Primer (ST) for concrete surfaces or 1 coat of BP Red Oxide Primer for metal surfaces – after proper thinning. Allow Primer to dry /cure fully before application of Guideline SB Paint. Dilute Guideline SB Paint as per recommended dilution ratio. Apply the first coat and allow to dry for at least 18-24 hours. After the first coat dries, apply the second coat and allow to dry for 18-24 hours\*\*.



### COVERAGE\*

Substrate	Recommended No. of Coats	Airless Spray/ Brush Application / Coat -TCC
Concrete	2	10.9 - 15.2 Sq. M/ Litre
Metal		

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

### Surface Recommended Primers

Concrete	1 coat of BP Cement Primer (ST)
Metal	1 coat of BP Red Oxide Primer

**Pack Sizes** Metal Drum (20 It)

**Shade Range offered** White, Golden Yellow, Black, Red



**Usage Areas :** On Concrete, Plastered & Metal surfaces.



**BERGER**  
**GUIDELINE**

Guideline SB Paint  
conforms to IS 2932 specifications

# Quick Drying Solvent-based Kerb & Line Marking Paint



**Guideline SB QD RM Paint** is a single component, solvent-based quick drying road marking paint. It is formulated with a special grade of TP Acrylic Emulsion with unique drying properties. It provides excellent wear and weather resistance thus ensuring road safety. Suitable for application on kerbs, concrete and bituminous road surfaces, it has the unique capability of drying within 15 minutes\*\*.

- Quick Drying
- Semi Glossy
- High Opacity
- High Scrub Resistance

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces :** Strip all loose particles from the surface by wire brushing. Alternatively, high pressure water jetting is recommended to ensure that the surface is free from curing materials, contaminants and dirt. Concrete should be fully cured and may need to be mechanically abraded or water blasted to remove any curing compounds.

**Previously Painted Surfaces :** All voids, dents should be repaired and sealed. The surface should be cleaned by wire brushing to make it free from loose mortar, dirt, oil and grease etc.

### DIRECTIONS FOR APPLICATION

Dilute the paint as per recommended dilution ratio. Stir well, preferably with a gyroshaker, and apply 1 coat of Guideline SB QD RM Paint and allow it to dry for at least 45 - 60\*\* minutes. After the first coat dries, apply the second coat and allow it to dry for 60 - 75 minutes\*\*

### COVERAGE\*

Substrate	Recommended No. of Coats	Airless Spray / Brush Application / Coat -TCC
Concrete / Bitumen	2	7 - 11.2 Sq. M / Litre

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

### Recommended Undercoats / PRIMERS

No priming required

**Pack Sizes** Metal Drum ( 20 Lt)

**Shade Range offered** White, Golden Yellow, Black, Signal Red



**Usage Areas :** On Concrete, Bitumen & Asphalt surfaces.



**BERGER**  
**GUIDELINE**

Guideline SB QD RM Paint  
conforms to IS 164-1981 specifications

# Sealant Compound for Thermoplastic Paint on Concrete Surfaces



**Sigmark Sealant Compound** is a smooth clear Hydrocarbon Resin-based compound used as an adhesive coat over concrete pavements and aged bitumen surfaces. It seals the pores and blowholes of the surface effectively and ensures proper adhesion of the Thermoplastic compound with the above mentioned surfaces.

- **Fast Drying resin-based Primer**
- **Acts as a Moisture Barrier coating**

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces :** Surface must be fully cured, dry, sound and clean. It should be free from all loose particles /dirt etc.

**Previously Painted Surfaces :** Surface must be dry and free from dust, rust, grease, oil, loose particles and loose coatings. All repair work like joint sealings, filling of cracks, cavities and crevices should be carried out with appropriate materials before application of the Sealant.

### DIRECTIONS FOR APPLICATION

Stir well and apply a coat of Sigmark Sealant Compound by airless spray or brush directly on to the road surface. Curing time : 10-15 minutes\*\*.

### PRECAUTIONS FOR SURFACE PREPARATION & APPLICATION

- **CLEANING :** For proper adhesion of the Primer and Paint, thorough cleaning of the road surface is essential. Mechanical cleaning (e.g. by Compressor / Blower) followed by wire brushing and brooming is the preferred method for this purpose. In some cases, high pressure water jet cleaning followed by drying, brushing etc. is desirable.
- The surface should be thoroughly cleaned to free it of mud, dirt, dust, oil, grease etc., before Primer application.
- For better adhesion, the Thermoplastic coating needs to be applied when the Primer is in a tacky condition.
- Faulty Primer / Sealer application will cause adhesion failure between the Thermoplastic coating and concrete / aged bitumen surfaces.

## SYSTEM & CONSUMPTION\*

Substrate	System	Recommended No. of Coats	Consumption/ Coat/Sq M*	Thickness
Concrete / Pavement Surface	Sigmark Sealant Compound	1	0.20 lt	10 - 15 $\mu$
	Sigmark HMRM Compound	1	5 kg	2.5 mm
	Type - II Glass Beads	NA	250 - 300 g	200 - 250 $\mu$

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

**Usage Areas :** On Concrete & aged Bitumen surfaces.

**Pack Sizes** Metal Drum ( 20 lt)

**Shade Range offered** Clear



**BERGER**   
**SIGMARK**  
 Sigmark Sealant Compound

# Water-based Concrete Primer



**Guideline WBC Primer** is a specially formulated premium quality water-based Acrylic Primer for application on concrete surfaces like kerbs, concrete crash barriers, parapet walls, gutter painting on roads and highways. It forms a highly alkali and water resistant film on surfaces. It minimizes the porosity of the surface, prevents water and dissolved salts from penetrating the Top Coat paint film and protects the paint coat from damage.

- Reduces Porosity of concrete surface / kerbs
- Fights Efflorescence • Enhances Durability of Top Coat

## DIRECTIONS FOR USE

### SURFACE PREPARATION

**Fresh / New Surfaces :** Strip all loose particles from the surface by wire brushing. Alternatively, high pressure water jetting is recommended to ensure that the surface is free from curing materials, contaminants & dirt. Concrete should be fully cured and may need to be mechanically abraded or water blasted to remove any curing compounds.

**Previously Painted Surfaces :** All voids, dents are to be repaired and sealed. Surface should be cleaned by wire brushing to make it free from loose mortar, dirt, oil and grease etc.

### DIRECTIONS FOR APPLICATION

Dilute the paint as per recommended dilution ratio. Apply a coat of Guideline WBC Primer and allow it to dry for at least 6 hours.\*\* After the Primer has dried, apply Guideline RM 164 Paint as the Top Coat, as per recommendations.

### COVERAGE\*

Substrate	Recommended No. of Coats	Brush / Airless Spray Application / Coat - TCC
Concrete	1	10.21-11.14 Sq. M / Litre

\* Depends on factors such as surface preparation, surface condition, application skill, weather conditions, dilution etc. The coverage mentioned above is under ideal conditions and will vary depending on site conditions.

### Recommended Undercoats / PRIMERS

No priming required

**Pack Sizes** HDPE Drum (20 It)

**Shade Range offered** White



**Usage Areas :** On Concrete surfaces only.

\*\* Depends on surface conditions, relative humidity, WFT and ambient temperature etc.



**BERGER**  
**GUIDELINE**

Guideline WBC Primer  
conforms to IS 109-1968 specifications

# Some Major Clients

## CONSULTANTS

Theme Engineering Services Pvt. Ltd.  
SMEC International Pvt. Ltd.  
EGIS - International Ltd.  
URS Consulting India Pvt. Ltd.  
Aarvee Associates  
Lea Associates South Asia Pvt. Ltd.  
Satra Infrastructure Management Services Pvt. Ltd.  
Roughton International Ltd.  
SA Infrastructure Consultants Pvt. Ltd.  
Egis India Consulting Engineers Pvt. Ltd.  
Consulting Engg. Services India Pvt. Ltd.  
Nicholas O'Dwyer & Company Limited  
Stup Consultants Private Limited

## GOVERNMENTS

Kolkata Police  
Hyderabad Police  
PWD / CPWD / Development Authorities / MES / BRO

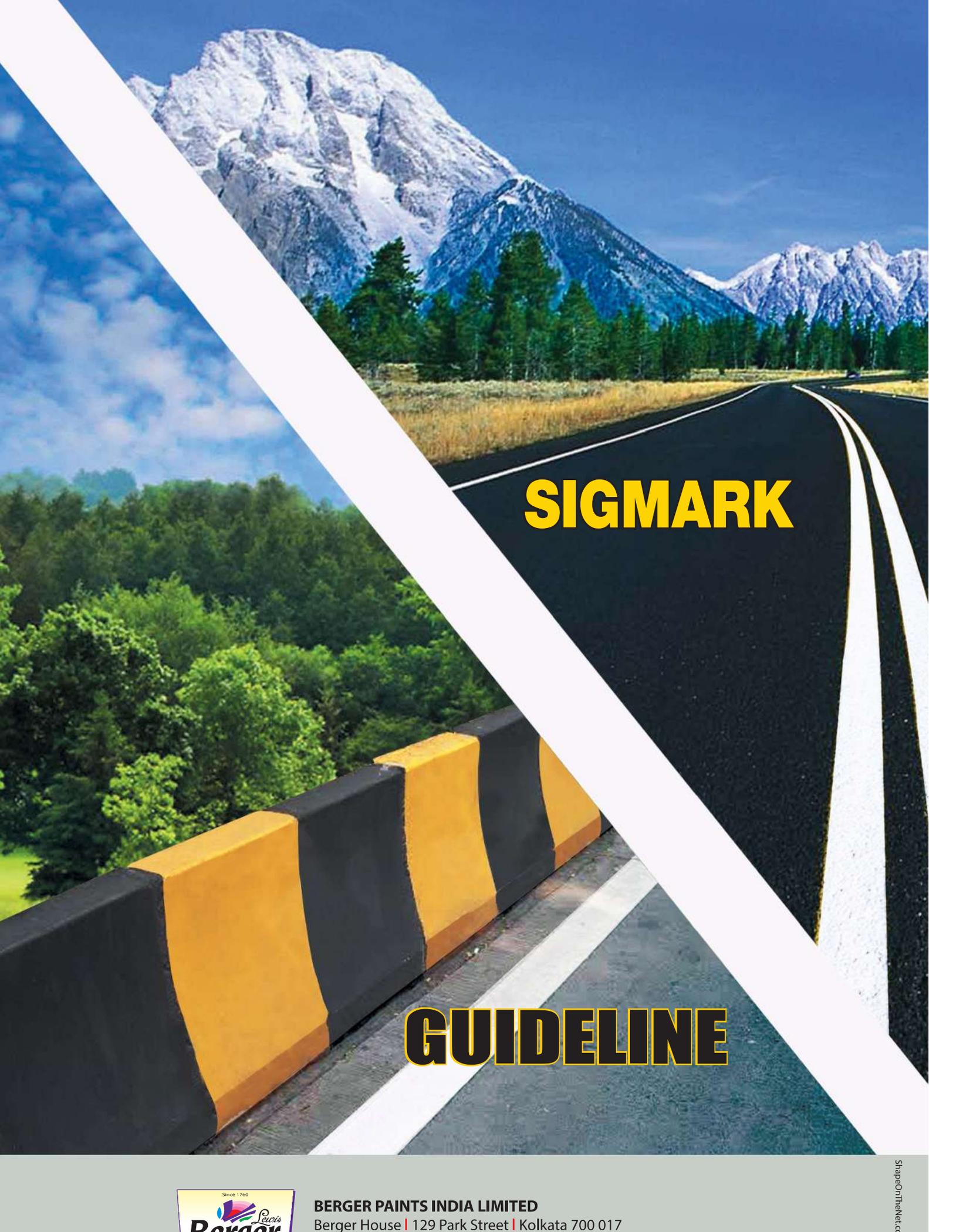
## AIRPORTS

Airports Authority of India  
DIAL  
Hindustan Aeronautics Limited

## CIVIL CONTRACT FIRMS

Afcons Infrastructure Limited  
Alaska Infratech Pvt. Ltd.  
APCO Infratech Pvt. Ltd.  
Ashoka Buildcon Ltd.  
BSCPL Infrastructure Ltd.  
Dilip Buildcon Ltd.  
Dinesh Chandra R. Agarwal Infracon Pvt. Ltd.  
Gayatri Projects  
GVR Infra Projects Ltd.  
IL&FS - Elsamex  
KMC Constructions Ltd.  
Kunal Structure (India) Pvt. Ltd.  
Larsen & Toubro Ltd.  
MAPEX Infrastructure Pvt. Ltd.  
Oriental Structural Engineers Pvt. Ltd.  
PNC Infratech Ltd.  
Progressive Constructions  
Punj Lloyd Ltd.  
RNS Infrastructure  
Rohan Rajdeep Tollways Ltd.  
RVR Projects  
Sadbhav Engineering Limited  
Sarjan Infracon Pvt. Ltd.  
Second Vivekananda Bridge Tollway Company Private Limited  
Simplex Infrastructure  
SOM DATT Builders Pvt. Ltd.  
Vishal Infrastructure Ltd.





**SIGMARK**

**GUIDELINE**



**BERGER PAINTS INDIA LIMITED**

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