



AECI Spraypave

# COMPANY PROFILE

November 2021

*Binder solutions through sheer passion*

*good chemistry*





# AECI SPRAYPAVE

**AECI Spraypave is a leading manufacturer and supplier of bitumen, modified binders and emulsions for road construction in South Africa.**

The company was established in 1981 in Alrode, Gauteng, and today also operates from facilities in Durban and Cape Town.

In 2016 Spraypave's multistage bitumen converter was commissioned at the Cape Town plant, enabling the company to produce high specification bitumen from refinery penetration grade bitumen for use in asphalt production.

## **AECI Spraypave specialised plants**

### **Multistage bitumen converter**

#### Products:

- 10/20 penetration grade bitumen
- 35/50 penetration grade bitumen
- 50/70 penetration grade bitumen

#### Outputs:

Maximum 20 tonnes per hour, which may vary depending on the desired grade. The major physical properties, viscosity and penetration of the bitumen feedstock are permanently modified using reagents and air rectification at briefly elevated temperatures to achieve molecular re-arrangements.



The process stabilises the composition of the bitumen while preserving precious resins.

### **Mobile emulsion plant**

#### Products:

- Anionic, cationic and emulsion primes

#### Outputs:

Fully mobile with a production capacity of 6 000 litres/hour, it is able to operate in remote locations with access to water supply. The plant has its own mobile lab for quality control and genset for power.

### **Rubber plant**

#### Products:

- Spray grades S-R1
- Asphalt grades A-R1

- Extended bitumen rubber (EBR – A-R2/S-R2)

#### Outputs:

A 15-20 tonne per hour automated blending plant which incorporates waste crumbed rubber tyres, and bitumen.

### **Jetpatcher**

#### Products:

- On-site blended cold mix for potholes

#### Outputs:

Mixes cationic spray grade emulsions with aggregate, sprayed directly into potholes or onto surfaces. Your one stop mobile solution for emergency pothole repairs, quick, efficient and reliable.



Multistage bitumen converter

## AECI Spraypave products

### Polymer modified bitumen and cutbacks

- Asphalt grades – A-E1, A-E2, A-P1
- Spray grades – S-E1, S-E2, 70/100, MC 3000
- Rubber modified products – S-R1, S-R2, A-R1, A-R2
- Emulsions – SS60, CRS 60, CRS 65, CRS 70, CMS 60
- Modified emulsions – SC-E1, SC-E2
- Crack sealers – Opticrack (hot crack sealer), CC-E1 (cold crack sealer)
- Primes – MC 30, Optiprime (quick drying prime), SP1i
- Precoating fluids – Opticote
- Dust suppression – Dustasolv-10
- Penetration grade bitumen – 10/20, 35/50, 50/70, 70/100

## AECI Spraypave plants

### Cape Town Branch

AECI Spraypave Cape Town has a modified bitumen blending plant capable of producing A-E, S-E and A-P products with the use of high-shear stirrers.

This facility also runs a 15 tonne per hour colloidal mill emulsion plant, an 8 tonne per hour cutback mill, and a precoating fluid blending plant, as well as the converter and rubber blend units.

### Durban Branch

AECI Spraypave Durban has a modified bitumen blending plant capable of producing A-E, S-E and A-P products with the use of high-shear mill, a 15 tonne per hour colloidal mill emulsion plant, an 8 tonne per hour cutback mill, and a precoating fluid blending plant.

### SprayPave Durban (Coedmore) drum depot

A satellite branch which stocks SS60 and Optiprime, available in different size containers from 5 litres to 200 litre drums.

### Alrode Branch

AECI Spraypave Alrode runs a modified bitumen blending plant capable of producing A-E, S-E and A-P products with the use of high-shear mill. Also on this site are a 10 tonne per hour colloidal mill emulsion plant, an 8 tonne per hour cutback mill, and a precoating fluid blending plant.

A bitumen decanter capable of recycling bitumen for re-use adds to sustainability initiatives at Alrode.

## AECI Spraypave fleet

- Etnyre microprocessor-based computer-controlled bitumen distributors/sprayers:
  - 1xsprayer with 6 000 litre capacity
  - 7xsprayers with 12 000 litre capacity
  - 1x18 000 litre pusher for ETB
- 4xScania truck tractors with 28.5 tonne capacity Tridem Henred tanker trailers fitted with double heating flues
- 1x22 000 litre trailer that can be used as a pusher for ETB
- Static tanks with various capacities on our sites for product storage
- 1x15m, 30 tonne capacity Tridem flatbed trailer with dropside
- 1x18 000 litre rubber bitumen sprayer
- Jetpatching machine for pothole repair work.

## Quality assurance

All products are tested in our on-site laboratories, all fully compliant with SANS and Sabita industry standards. Each product is delivered with a certificate of analysis and a product sample (on request). Samples are retained on site for future or reference testing.



Jetpatcher





## CONTACT US

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