



Bitumen mixing stations

Functions	Surfaces (equipment or materials) concerned
Anti-adhesive	<ul style="list-style-type: none"> <li>- Skips, shuttles or drag bar conveyors for bituminous mix</li> <li>- Truck beds</li> </ul>
Bitumen remover	<ul style="list-style-type: none"> <li>- Bitumen-covered metal parts</li> <li>- Grease-covered metal parts</li> <li>- Emulsion- or bitumen-covered laboratory glassware</li> <li>- Soiled clothes</li> <li>- Soiled gloves</li> <li>- Soiled shoes</li> <li>- Bitumen filters</li> <li>- Glassware and other laboratory equipment</li> </ul>

Directions for use: use undiluted or diluted, preferably by spraying, in skips, shuttles and drag bar conveyors. Use diluted for truck bed spray pipes. Use at 10 to 30% dilution in water, or undiluted, depending on the composition of the bituminous mix. For cleaning operations, use undiluted as a spray or applied with a brush. Leave to act, then rinse with water.

We cannot be held liable for any application that is not compliant with our instructions and recommendations.

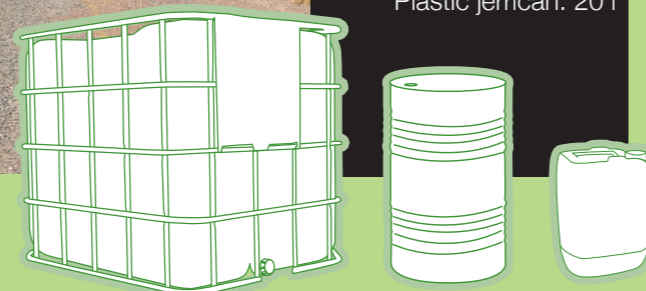


VIA 3000

**Strong anti-adhesive bitumen-remover**  
 Specially designed for bitumen mixing stations  
 Usable from 10% concentration in water



PACKAGING  
 Container: 1000 l  
 Drum: 200 l  
 Plastic jerrican: 20 l



- Anti-adhesive / bitumen-remover
- Improved occupational safety
- Made from new-generation vegetable oil esters
- Completely biodegradable

# VIA 3000

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BILAN CARBONE®

VÉGÉTAL BIOTEC, which acts to reduce greenhouse gases, gives you the opportunity to contribute to reducing the carbon emissions that cause global warming.

VIA 3000 carbon balance = 1.37 kg carbon equivalent

Fuel carbon balance = 967 kg carbon equivalent

Carbon emissions reduced by a factor of 667

\* Balance calculated for 1 tonne of manufactured product, packaged in a plastic container and delivered to a location 1000 km from its place of manufacture.

**VIA 3000** is a concentrated liquid intended for use as an anti-adhesive for removing bituminous mix, for the manufacture and transportation of road surfacing materials.

**VIA 3000** is a cleaning fluid specifically designed to replace fuel oil and rapeseed methyl esters. It complies directly with the expectations of site managers, safety coordinators and operating managers in terms of occupational health and safety and the environment, and in terms of performance and compatibility with regard to equipment and the working environment.

#### ■ Better formulation for safety

**VIA 3000** is non-flammable and eliminates the obligation for workshops in the usage zone to be classified as ATEX zones (French administrative order of 8 July 2003). At bitumen-mixing stations, **VIA 3000** takes the place of fuel oil, which can cause fires. Fuel oil has a flash point of 55°C, so is not suitable for use in an environment with a temperature of 160°C.

#### Better formulation for health

**VIA 3000** does not contain solvents so does not emit vapours. In addition, it is non-irritating and non-sensitising, so has very little dehydrating effect on lipo-cutaneous tissue. This formulation does not contain any substances listed as carcinogenic, mutagenic, toxic, reprotoxic, harmful, irritant, sensitising, corrosive or hazardous for the environment (French administrative order of 9 November 2004). **VIA 3000** does not cause any occupational diseases. It is not subject to any particular medical surveillance. Never use fuel oil available on a site and classified as a class 3 carcinogen.

#### ■ Better formulation for the environment

**VIA 3000** eliminates the need to comply with French administrative order of 29 May 2000 pertaining to VOC emissions. **VIA 3000** is completely biodegradable and breaks down quickly. Thus, in the event of accidental spillage, it is not harmful for the environment or local populations. It does not give rise to the need for authorisation or notification of use with respect to the administrative authorities (French decree 2002-680).

**VIA 3000** is readily and completely biodegradable according to the OECD 301B test (monitoring of CO<sub>2</sub> emissions during breakdown).

#### ■ Better formulation for waste management

**VIA 3000** is classified as NHIW (non-hazardous industrial waste). Following use, it can be collected free of charge for value enhancement.

**VIA 3000** is formulated using renewable ingredients that are 100% of vegetable origin and that have been subject to a lifecycle analysis. (ISO 14040)

## Typical physical and chemical properties

PROPERTIES	STANDARDS	VALUES	UNIT
Appearance	Visual	Liquid	-
Water solubility	-	100	%
Colour*	Visual	-	-
Odour	Olfactory	Weak	-
Density at 25°C	ISO 12185	885	kg/m <sup>3</sup>
Freezing point	ASTM D97	-20	°C

\*This product is based on natural vegetable oil esters, which may result in colour variation depending on origin. The colour may also vary depending on the production location and climatic conditions prior to harvest. Variations in colour, no matter how considerable, have no impact on product performance.

## Performance specifications

Bitumen removal time with VIA 3000	Internal method	5'30"	mins - secs
Bitumen removal time with fuel oil	Internal method	5'45"	mins - secs

## Fire safety specifications

Closed-cup flash point	EN ISO 2719	180	°C
Autoignition temperature	ASTM E659	>250	°C
Lower explosive limit	-	Non-explosive	% (v/v)
Upper explosive limit	-	Non-explosive	% (v/v)
Vapour pressure	-	<0.01	kPa at 20°C
Concentration of explosive, combustible, flammable, highly flammable, or extremely flammable substances	CLP Regulation (EC) No. 1272/2008	None	-

## Toxicological specifications

Iodine value	BS EN 14111	109	g/100 g
Totox (anisidine value + 2x peroxide value)	-	9,56	-
Accelerated oxidation test (Rancimat test)	ISO 6886		
- Flow rate	-	10	l/h
- Temperature	-	100	°C
- Time	-	5.8	h
Concentration of toxic, highly toxic, carcinogenic, mutagenic, reprotoxic, harmful, irritant or corrosive substances	CLP Regulation (EC) No. 1272/2008	None	-

## Environmental specifications

Biodegradability	OECD 301B test	Readily biodegradable	-
VOC concentration (volatile organic compounds)	-	0	%
Solvent concentration	-	0	%
Concentration of substances hazardous for the environment	CLP Regulation (EC) No. 1272/2008	None	-

### Precautions for use

- Store in a sheltered location at moderate temperatures before use.
- Do not spread the product in large quantities or by pouring from a container. It is preferable to use a spray gun.
- In the event of accidental spillage on freshly completed bitumen surfaces, rinse surfaces immediately using plenty of water. The primary function of this product is the removal of bitumen.
- Do not apply to the bituminous mix before and after laying.
- To be used undiluted. Do not mix with fuel oils classified as carcinogenic.
- Do not use as a detergent on bodywork.