



APPLICATIONS

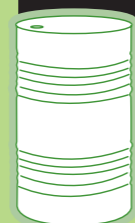
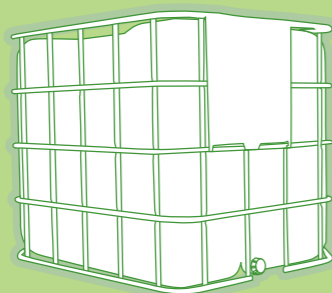
Worksites

Functions	Surfaces (equipment or materials) concerned
Bitumen remover	<ul style="list-style-type: none"> <li>- Spreader pipes and emulsion circuits for pavers with integrated pipes</li> <li>- Kerbstones</li> <li>- Soiled tools (rake handles and teeth, shovels, etc.)</li> <li>- Soiled clothes</li> <li>- Soiled gloves</li> <li>- Soiled shoes</li> </ul>
Anti-adhesive	<ul style="list-style-type: none"> <li>- Paver platforms</li> <li>- Sides of milling machine conveyors</li> <li>- Feeders and feeder screws on pavers</li> <li>- Tracks on pavers</li> <li>- Buckets on loading machine transporting bituminous mix</li> <li>- Drags on cold-mix bitumen machines</li> <li>- Tools (scraper, shovels, rakes, etc.)</li> <li>- Manhole covers</li> <li>- Shoes</li> <li>- Vibrating plates</li> </ul>

Directions for use: Spray a fine mist over the surfaces to be treated. To eliminate bituminous mix deposits, leave to act for several minutes, and then rinse with a high-pressure cleaner.

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

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



VIA 5000  
 Anti-adhesive bitumen-remover  
 Specially designed for worksites



- Ready-to-use
- Improved occupational safety
- Made from new-generation vegetable oil esters
- Completely biodegradable

## VIA 5000

bitumen remover  
anti-adhesive  
agent  
specially designed  
for worksites



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 5000 carbon balance = 1.33 kg carbon equivalent

Fuel carbon balance = 967 kg carbon equivalent

Carbon emissions reduced by a factor of 738

\* 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 5000** is a concentrated liquid intended for bitumen-removal and anti-adhesive treatment, for use during the transportation and application of road surfaces.

**VIA 5000** is 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 5000** 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). On worksites, **VIA 5000** 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 5000** 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 5000** 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 5000** eliminates the need to comply with French administrative order of 29 May 2000 pertaining to VOC emissions. **VIA 5000** 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 5000** is readily biodegradable according to the OECD 301B test (monitoring of CO<sub>2</sub> emissions).

#### Better formulation for waste management

**VIA 5000** is classified as NHIW (non-hazardous industrial waste). Following use, it can be collected free of charge for value enhancement.

**VIA 5000** 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	-	0	%
Colour*	Visual	-	-
Odour	Olfactory	Weak	-
Density at 25°C	ISO 12185	895	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 5000	Internal method	6'30"	mins - secs
Bitumen removal time with fuel oil	Internal method	5'45"	mins - secs

### Fire safety specifications

Closed-cup flash point	EN ISO 2719	185	°C
Autoignition temperature	ASTM E659	>300	°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	111.3	g/100 g
Totox (anisidine value + 2x peroxide value)	-	48.56	-
Accelerated oxidation test (Rancimat test)	ISO 6886		
- Flow rate	-	10	l/h
- Temperature	-	100	°C
- Time	-	2.6	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.
- Spray into pavers only when empty.
- Use on compactors only before start-up.
- Do not use as a detergent on bodywork.
- Use of too much product on the soles of shoes or on treated surfaces may lead to marks, discolouration or even breakdown of the material, followed by the removal of the bituminous mix laid.