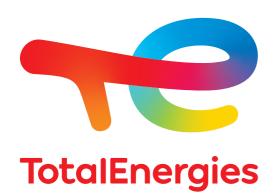


GREENFLUXPurity and performance:

the winning combination for **bitumen fluxes**



in 🔲 specialfluids.totalenergies.com



GREENFLUX: an exceptional range

A range of fluxes specifically developed to reduce bitumen viscosity.

RECOGNIZED TECHNICAL PERFORMANCE:

- ✓ facilitates the emulsification and fluxing of pure bitumen,
- ✓ improves binder yields,
- ✓ guarantees better holding to enable an early return of traffic,
- ✓ shows increased resistance to stripping due to its excellent level of adhesiveness,
- ✓ exceptional water resistance, handling and durability.





SURFACE DRESSING





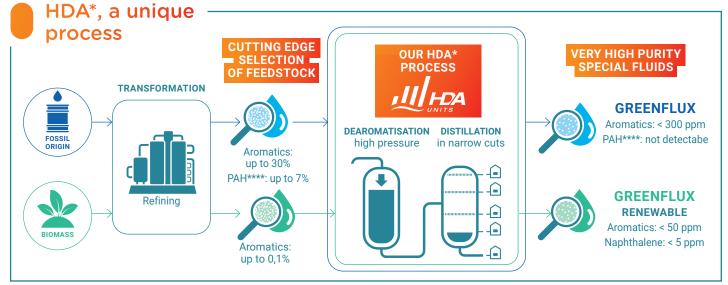


COLD POUR ASPHALT



Due to our unique hydrogenation and high-pressure distillation (HDA*) technique, we can offer the purest dearomatized fluxes on the market while meeting the most stringent requirements:

- Substances not classified as CMR**, in accordance with regulation GHS/CLP (CE) 1272/2008
- Very low BTEX*** content (<1 mg/kg)</p>
- Very low PAH**** content (<1 mg/kg), well below the limit of <1 mg/kg for each
- Made from substances classified as being readily biodegradable (OECD 301B)
- ▶ Responds to exposure limit values
- **Toxicology compliant** with industry requirements



*HDA: HydroDeAromatisation / **CMR: Carcinogenic, Mutagenic, Reprotoxic / ***BTEX: Benzene, Toluene, Ethylbenzene, Xylene / ****PAH: Polycyclic Aromatic Hydrocarbons

The Special Fluids division of TotalEnergies: A global network with a local touch

A RECOGNISED GLOBAL LEADER

HEALTH AND SAFETYARE THE CORNERSTONES

OF OUR PROCESSES





MULTI-SKILLED TEAMS of passionate, seasoned specialists

A WIDE SELECTION OF PRODUCTS

FOR VARIOUS INDUSTRIAL APPLICATIONS



PLANTS in France and the US



LEADING-EDGE R&D CENTRES

two in France, one in Belgium, and a technical centre in India



Beyond its very high purity, the **GREENFLUX range complies** with the recommendations and safety directives from **SETRA** (road and highway technical studies department, May 2011) for risk-free use.

We have now been working with **GREENFLUX SD** for more than 10 years. The factors behind this choice are technical in nature. **GREENFLUX SD** is perfectly suited to our applications. It is easy-to-use, and the bitumen can be applied quickly. Today, thanks to **TotalEnergies**' logistics arrangements, we can manage our projects in their entirety. With its HDA process, **TotalEnergies Fluids** supplies an aroma-free binder that is safe for our operators to use. This was a crucial factor in our choice – compliance with **HSEQ standards** is a priority at **EUROVIA**.

Philippe Astier, head of the LNE (North-East Binders) sector, Eurovia



As part of our commitment to sustainable development, we have developed an ISCC PLUS certified responsible offer which ensures you are using products that contribute to the reduction of your carbon footprint.

To find out more, go to: https://specialfluids.totalenergies.com/en/iscc-plus-certificate.



Set up by the European Union, ISCC is a certification body that ensures compliance with environmental criteria, labor law, etc. It ensures traceability of raw materials throughout the supply chain.







