

**Azalt<sup>®</sup> ECO<sup>2</sup>**  
The ready-to-use  
bitumen for reduced  
temperature asphalts



**TotalEnergies**



# AZALT<sup>®</sup> ECO<sup>2</sup>

AZALT<sup>®</sup> ECO<sup>2</sup> bitumen is designed for the Warm Mix Asphalt process. A ready-to-use paving grade bitumen for application up to 40°C lower than conventional binders.



## READY TO USE

- No modification to the existing asphalt plant required
- No additional costs to produce warm mix asphalts
- Energy savings
- Reduction of CO<sub>2</sub> emissions

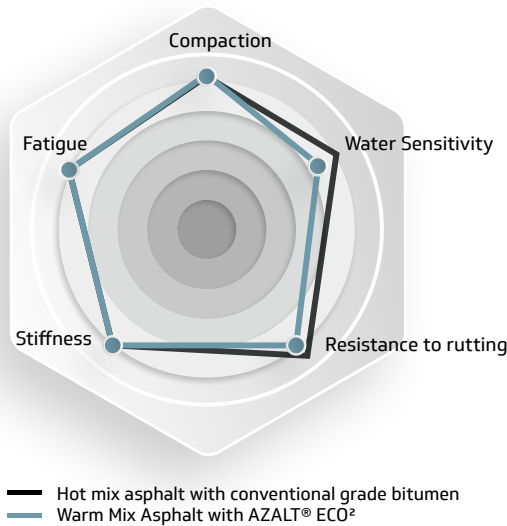


## MULTIPLE BENEFITS

- Quick conversion process
- Compatible with recycled asphalt
- Suitable for all asphalts made with paving grade bitumen
- Reduced emissions during processing

# PROPERTIES COMPARABLE TO A CONVENTIONAL GRADE BITUMEN

Comparing the mechanical properties of asphalt concrete AC 11 DS as an example.

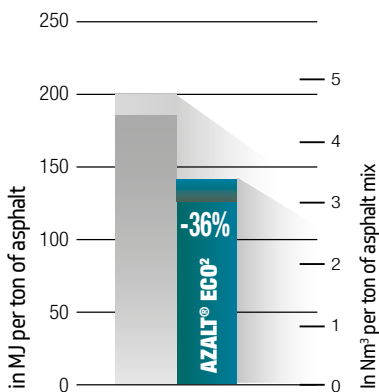


## DURABILITY

Five years after installation the in-situ performance of AZALT® ECO² asphalt is indistinguishable from control sections of Hot Mix Asphalt.

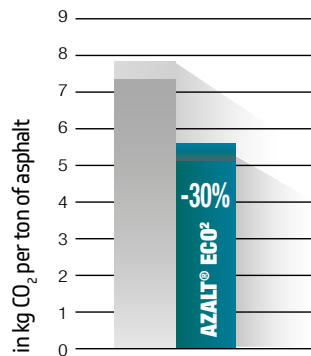
## LOWER-TEMPERATURE PRODUCTION MADE EASY !

### ENERGY CONSUMPTION OF THE HEATING UNIT (NATURAL GAS)



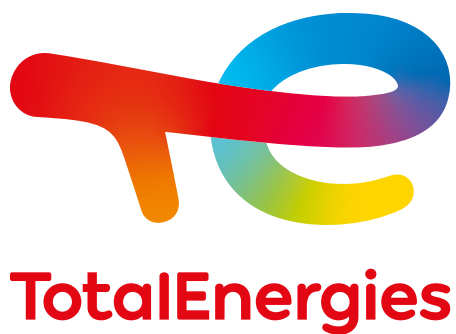
- Hot mix asphalt with conventional grade bitumen
- Warm Mix Asphalt with AZALT® ECO²

### EMISSION OF CO<sub>2</sub> EMITTED FROM THE ASPHALT BLEND



- Hot mix asphalt with conventional grade bitumen
- Warm Mix Asphalt with AZALT® ECO²





[www.bitumen.totalenergies.com](http://www.bitumen.totalenergies.com)  
 [TotalEnergiesConstructionSolutions](https://www.linkedin.com/company/TotalEnergiesConstructionSolutions)

TotalEnergies Marketing Services  
Bitumen Division  
24 cours Michelet, 92800 Puteaux France

Capital social 324 158 696 €  
542 034 921 RCS Nanterre