groupe Mahé

HIGH INTENSITY BUS LANE

RUTTING <2.5%

CONTEXT & OBJECTIVES

CCTP objectives :

- 100% of densities between 4.0 and 8.0% of voids
- PMT > 0.5 mm
- Application temperature: 145 to 180°C
- Complies with NF P 98 150-1
- Complies with circular n°36 (2020)
- Red coloured asphalt

SOLUTIONS DEPLOYED

- **Product :** BBME 0/10 CL3 Red TEOR
- **Layer :** 6cm thick
- **Additive: RARx (2.9%) Total binder :** 5.71% ppc
- **Production temperature measured :** 164°C
- **Control method :** Infratest
- **Compaction :**
  - VÖGELE SUPER 1800-3i
  - CATERPILLAR CB4.4
  - BOMAG BW 151 AD5
  - HUSQVARNA LP6505 vibrating plate

QUALITY VALIDATION

- **Complies with :** NF P 98 150-1
- **Complies with marking :** CE
- **Complies with requirements :** CCTP
- **Technician signature :** P. Créteigne
- **Validation :** B. Dubus

SITE IDENTITY

- **Site name :** T4 Turnaround - Mont aux Malades
- **Infrastructure :** TEOR bus lane - Turnaround
- **Location :** Mont Saint Aignan
- **Site date :** 27 June 2025
- **Client :** TPR
- **Production plant :** EURE ENROBES





MEASURED RESULTS

Rutting test	2.2%
Average voids	7.5%
PMT Average	0.67 mm
Average density	2223 kg/m3
Bitumen content	5.35%
Granulometry	Compliant
NF EN 13108-21 extraction	Compliant

CUSTOMER TESTIMONIAL

Name : Bertrand DUBUS

Position : Laboratory Manager

Opinion : Tolerances in terms of rutting are divided by 2 compared with the best performing wearing courses. As the Mahé group does not have a modified bitumen plant, it was decided to use RARx as a bitumen modifier in the continuous hot mix asphalt plant (2.2% rutting after 30,000 cycles at 60°C for < 2.5% according to the specifications).

LCR TECHNOLOGIES
LOW CARBON ROAD

RapidAsphalt® BIO ROAD RAR X™ Additivo de Caucho NT 02/2020