

Greenseal BT

USES – SPECIFICATIONS - INFORMATIONS

USES

Production of asphaltmix till $\geq 220^{\circ}\text{F}$
Working up of asphaltmix on roads till $\geq 160^{\circ}\text{F}$

SPECIFICATIONS

Properties	Methods	Units	Typical vvalues
Viscosity at 80°F	EN 13072--2	mpa.s	90
Specific gravity at 60°F	DIN 51757	g/cm ³	0,945
Flashpoint	EN-ISO 22719	$^{\circ}\text{F}$	350

INFORMATIONS

GREENSEAL BT earlier called greenseal F , is elaborated by GREENWORLD and traded by s.à. MECAROUTE since juli 2006.

This typical liquid preparation is composed by high distillate fatty acids and their esters. They acts as well on the rheology of bitumen and as a chemically binder on their molecules.

GREENSEAL BT added to bitumen is able :

.- to produce a low temperature asphaltmix at $\geq 220^{\circ}\text{F}$ with the same mechanical properties as hot asphalt mix but at the same time it **decreases** the greenhouse gas emission into the atmosphere.



-to act on the rheology of the binders with increased wetting power against the mineral aggregates and higher dispersion and uniformity of the asphaltmix well working up to 160°F

This property is particularly indicated for manual asphalt handling , for long transport distances or difficult reachable and time consuming places.





A study named « [ASSESS OF THE EXPOSITION OF FASHIONERS TO BITUMEN VAPORS](#) » done in 2010 by « [CRAM des Pays de la LOIRE](#) » for one of our customers measured in an underground parking executed with asphaltmix containing GREENSEAL BT the emissions of dangerous, harmful and toxic vapors. All the relevant measures gave results below the TLV-Limit..

Merkmale	Bitumen Vapors soluble in H ₂ Cl ₂	benzo(a)pyren tracer	naphtaline tracer
*TLV values	0,2 mg / m ³	< 1 ng / m ³	< 1 mg/m ³
TLV limits	0,5 mg / m³	<150 ng / m³	< 50 mg/m³

*TLV 8 h. Limitvalue for occupational exposure

GREENSEAL BT is free of dangerous, toxic and volatile compounds which safeguards the occupational workers against exposure of poisonous and harmful vapors and PAC.

GREENSEAL BT is manufactured by following the ISO 9001 norm and is ISO 14001 certified by the producer. All the compounds of these preparation are « REACH » registered .

PACKAGE : IBC = 900 kg and BULK min.20 t.

PRODUCER : *Greenworld s.à.r.l. Heiderscheidergrund- LUXEMBURG*
greenworld@internet.lu – phone +352.691.316.582

EXCLUSIVE TRADER : *Mécaroute s.a. - Nanterre - FRANCE*
service.mat@mecaroute.fr – phone + 33.1.40.97.55.00