

GREENSEAL E

Ref. Catalogue E-02

USE – APPLICATIONS – SPECIFICATIONS – DOSAGE – REACTIVITY - INFORMATIONS

USE

DOPE IMPROVING THE QUALITY OF PARAFFINIC BITUMEN

APPLICATIONS

PRE- & PROEMULSIFIER FUNCTION

NON VOLATILE FLUXING AGENT

SPECIFICATIONS

Characteristics	Méthods	Units	Typical Values
viscosity at 77°F/ 25°C	EN 13072-2	m.Pa.s	55
specific gravity at 59°F/15°C	DIN 51757	g/cm ³	0,94
Flash point	EN-ISO 2719	°F/°C	355/180
Values			minimum
Saponification- (IS)	ASTM D803-15	mg KOH/g	120
Acid- (IA)	ISO 1242	mg KOH/g	50
Iodine- (II)	NF EN ISO 3961	g/100g	100
IRe	Σ IS + IS +II	ppm	1150000
Fatty acids and esters		%	99

DOSAGE

Insoluble in water , must be directly added to the bituminous binders and serves as pre- and proemulsifier during the emulsion confection..

Dosage : **0,1 – 0,35 %** in according of the original acid number of the bitumen and the use or not of emulsifier..

REACTIVITY POWER

This preparation is liquid by ambient temperature and consists of light and heavy distillates of fatty acids and their esters whose concentrations are mentioned in the table below and consisting with :

carbolic acids **IA** = R- COOH, ,

double carbonbonds **II** = R >C=C< R,

esterified fatty acids **IS** = R-COOR :

and when added in few doses to paraffinic bitume, increases their initial contents of their IA,IS and II values whose **IRe = 1150000** ppm promotes the emulsive power of the bitumen and the quality of the emulsion.

IA	IS	II	IRe/ ppm
>50 mgKOH/g	>100 mgKOH/g	>100 gl ² /100g	1150000
ISO 1242	ASTM D803-15	NF EN ISO 3961	Σ IA+IS+II

INFORMATIONS

ENVIRONMENTAL : emulsion made with **GREENSEAL E** (distilling at > 572 °F / 300 °C), does not liberate volatile compounds neither by making nor breaking the emulsion nor from the residual bitume on the road surface.

TOXICOLOGY : **GREENSEAL E** , free of dangerous or harmful materials, dust, vapours is favourable for the highway workers, environment, fauna and flora neither by making the emulsion nor their application.

CERTIFICATIONS : **GREENSEAL E** is made in accordance with ISO 9001 in a workshop certified ISO 14001 and all the used substances are « REACH » registered by the producers.

PACKAGING : IBC = 900 kg et bulk min.18 t.

HISTORY : **GREENSEAL E** , patented preparation, developed and produced by GREENWORLD s.à.r .l. is being exclusively commercialized by s.à.MECAROUTE since July 2016.
