

POLYCYKLE PKSS

DESCRIPTION

Modifying additive for bitumen in powder with a glycerophospholipid base capable of modifying the characteristics of the bitumen, allows to achieve high increases in physical-mechanical characteristics, enhances the elastic behavior even at high temperatures and increases the adhesion between bitumen and aggregates. The high compatibility of POLYCYKLE PKSS allows it to be used simply by adding it to hot bitumen.

APPLICATION

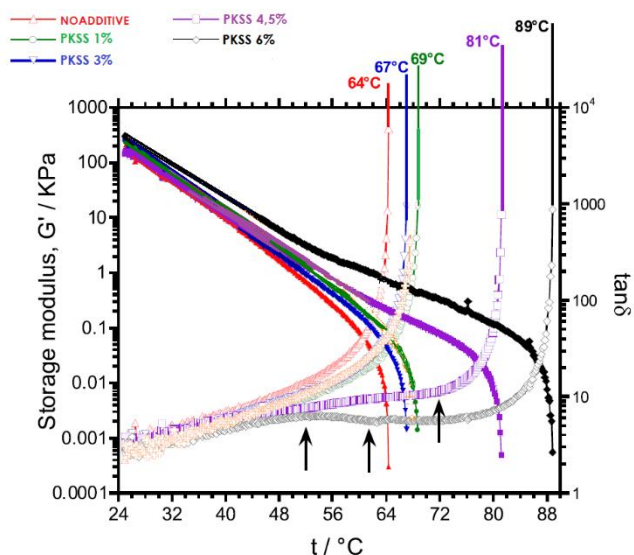
POLYCYKLE PKSS can be used on any bitumen to produce multiple types of bituminous conglomerate (base, binder, wear layer).

DIRECTIONS OF USE

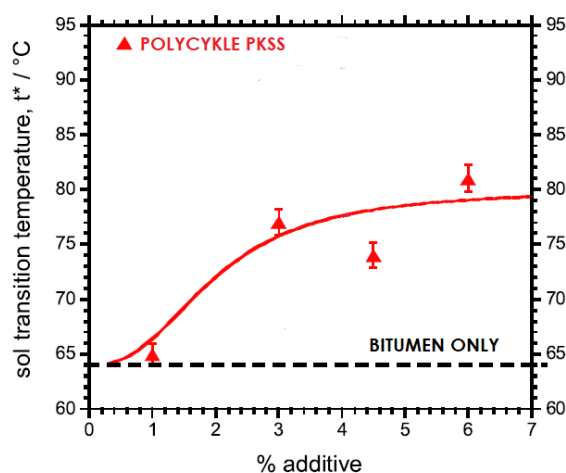
POLYCYKLE PKSS is added and dispersed directly to the hot bitumen to produce a modified bitumen or alternatively in the mixer of the production plant during the production phase of the conglomerate, using an automatic dispenser or dosing it manually.

DOSAGE

The dosage percentages are a function of the level of modification to be achieved, POLYCYKLE PKSS is normally used from 3% to 6% w / w on the bitumen mass.



Variation of the complex modulus with temperature and concentration of POLYCYKLE PKSS



Variation of the transition temperatures between elastic and viscous behavior of bitumen modified with POLYCYKLE PKSS



	ONLY BITUMEN	Bitumen + 1% PKSS	Bitumen + 3% PKSS
(angle)±0.1'	35.3	32.5	2.7

Variazione dell'angolo di contatto su pietra acida con POLYCYKLE PKSS

Looking at the graphs, you can see how the addition of POLYCYKLE PKSS increases the mechanical characteristics of the bitumen and allows it to reach high modulus values even at high temperatures, leading the bitumen to have a behavior similar to a bitumen modified with SBS. Furthermore, the addition of POLYCYKLE PKSS increases the wettability and therefore the adhesion between the bitumen and the aggregate even in the case of acidic aggregates, thus acting as an adhesion activator so as to significantly reduce the stripping and aging phenomena of the covering. road, making the bitumen suitable for chip seal paving operations.

STORAGE

POLYCYKLE PKSS can be stored for 24 months in its original and closed packaging, at a temperature between 5 ° C and 30 ° C.

SAFETY

For more information on classification, protective measures and measures in case of fire, please refer to the product safety data sheet, available on request.

WARNINGS

The advice on the methods of use correspond to the current state of our knowledge and do not imply the assumption of any guarantee and / or responsibility on the final result of the work. Therefore, they do not exempt the customer from the responsibility of verifying the suitability of the products for the intended use and purposes through preventive tests.