

POLYCYKLE PF60

DESCRIPTION

Polymer based on polyolefin and high absorbency fiber agglomerated in fine granules, able to modify the characteristics of the bituminous conglomerate directly during the production phase, usable in conglomerates with a high bitumen content, it allows to stabilize the mixtures and at the same time improve their characteristics, allows to achieve high increases in the physical-mechanical characteristics of the conglomerate without modifying the production parameters, the polymers and fibers used in the PF65 and the particular format allow easy dispersion and mixing already at the normal production temperatures of the bituminous conglomerate.

APPLICATION

POLYCYKLE PF60 can be used on any bituminous conglomerate (base, binder, wear layer) and is particularly suitable for the production of SMA type conglomerates.

DIRECTIONS OF USE

POLYCYKLE PF60 is added directly into 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 depend on the nature of the aggregates and the type of bitumen, normally POLYCYKLE PF60 is used from 6% to 10% on the weight of the bitumen.

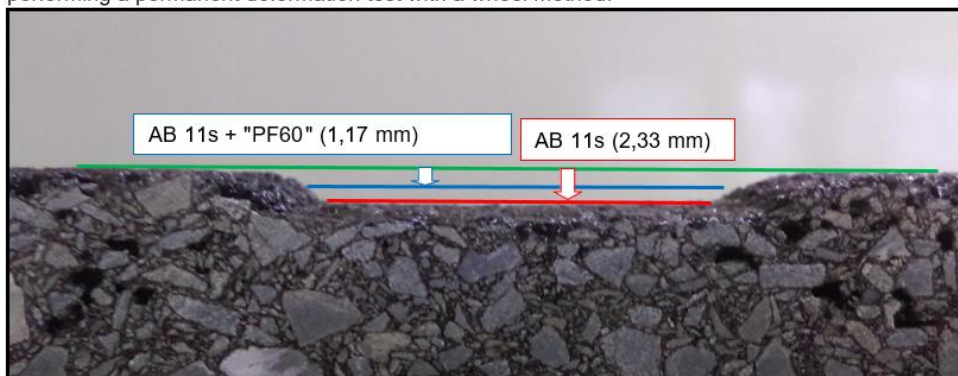


POLYCYKLE PF60 agglomerate of polymer and fibers

Rolling resistance of asphalt mix AB 11s with and without additive "PF60"

CHARACTERISTICS	TEST RESULTS	
	AB 11s	AB 11s + „PF60"
Depth of sample (mm)	50,0	50,2
Depth of track, RD _{air} (mm)	2,33	1,17
Proportional track depth, PRD _{air} (%)	4,65	2,33
Slope of the WTSAIR curve, mm / 10 ³ load cycles	0,049	0,016

AB 11s asphalt mixture with and without the addition of the polymer fiber "POLYCYKLE PF60" after performing a permanent deformation test with a wheel method.



Decrease of indirect tensile strength of AB 11s samples with and without addition of PF60 0.6% "POLYCYKLE PF60" to the asphalt mixture.

Charactesitics	Method	mix	
		AB 11s	AB 11s + "PF60"
Indirect tensile strength in the dry condition at 25 °C, (kPa)	SRPS EN 1269723:2018	1055.8	1391.5
Indirect tensile strength in water-saturated state after immersion in water for 72 h at 40 °C, (kPa)	SRPS EN 1269723:2018	874.2	1227.3
Decrease in indirect tensile strength at 25 °C (%)	SRPS EN 1269712:2018	17.2	11.8



STORAGE

POLYCYKLE PF 60 can be stored for 24 months in its original 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.