

STARPHOS[®] 105

CHEMICAL BITUMEN MODIFIER

STARPHOS[®] 105 is a liquid additive, based on polyphosphoric acid.

Chemical-Physical Properties

Appearance	Liquid
Odour	Characteristic
Colour	Colourless
pH	2
Density at 25°C	2,06 kg/m ³ ca.
Viscosity at 25°C	1600 cP
Flammability Point	N.A
Solubility in water	Soluble

Applications

The resulting modified bitumen by using STARPHOS[®] 105 is obtained adding it directly to bitumen and stirring for approximately 30 minutes.

Advantage

The use of STARPHOS[®] 105 modifies chemically the bitumen, increasing its mechanical performances. It may also be added to traditional polymeric modifiers in order to improve their properties and increase dispersion inside of bitumen.

Modality of use

STARPHOS[®] 105 should be added in heated and stirred containers. The work temperatures depend on bitumen type: normally they varies between 160°C and 170°C.

Dosage

The STARPHOS[®] 105 dosage varies according to the bitumen chemical characteristics and, normally, from 0,3 % to 0,2 % of bitumen weight.

Package

The product is supplied in 340 kg plastic drums ; in 1500 kg IBC tanks ; on demand can be delivered in bulk from tanker.

Storage

STARPHOS[®] 105 may be stored for 36 months in closet original packages.

Warning

STARPHOS[®] 105 does not present specific risks. For more information on classification, measures of protection please see the Safety Data Sheet available upon request.