Kalt Asphalt plus®

KAP200-EN

Product type

High-performance cold asphalt mix, structured with resolving SBS



eco-friendly 60% eco-compatibile

ready to use pronto all'uso

Main features

- Highly modified conglomerate with SBS
- Activated immediately by compression with vehicular passage
- Frost and high temperature resistant (-30 °C | + 80 °C)
- Lower labour costs due to durability in the pit
- Disposable bag in urban plastic
- Does not stick to tyres, odourless
- No trouble with water or salt

Produced by Beton Asfalti

Distributed and marketed by CCA ARMENIA SPECIAL CONSTRUCTION MATERIALS

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KaltAsphalt plus®

Description

KaltAsphalt plus is a high-performance cold mix, equal to that of a hot mix, with a much higher grip than traditional cold mixes. KaltAsphalt plus is the only cold mix made using SBS-modified binder. This composition guarantees an effective and long-lasting result in the closing of potholes, both deep and shallow, in the maintenance of manhole covers and pavements, as well as in the restoration of underground utility sites. With KaltAsphalt plus we provide the security of rapid intervention in all weather and traffic conditions. Resistant to freezing, thawing and salt, it withstands heavy vehicular traffic without crunching or sagging. Being a multi-seasonal product, it allows for long summer and winter storage.

Constituent materials



Highly modified binder with SBS from bituminous sheaths

Basalt and porphyry aggregates

Ecological additives

Road milling

Recyclability

Thanks to its inherent structure KaltAsphalt plus can be covered with new hot mix asphalt.

Thanks to its ecological composition KaltAsphalt plus is 100 per cent recyclable.

Certifications

ASTM	C117-04, D5444-08, D2172-11, D146-11, D3203-11, D6927-06, D6927-15, D6931-17, D2726-11
SGS	UNI PdR 88

ASTM INTERNATIONAL

SYSTEM CERTIFICATION ISO 9001 SGS

60 60%

GISCODE KMG-R RepA10

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KaltAsphalt plus®

	PACKAGING TYPE	ITEM CODE	QUANTITY / PALLET	TOTAL PALLET WEIGHT
Articles*	KaltAsphalt plus in bag 15 kg	BTNKAPBA1.05	70 bags 15 kg	1,05 ton
	KaltAsphalt plus in bag 20 kg	BTNKAPBA1.00	50 bags 20kg	1,0 ton
	KaltAsphalt plus in bag 25 kg	BTNKAPBA1.20	48 bags 25kg	1,2 ton
	KaltAsphalt plus in bag 25 kg	BTNKAPBA1.50	60 bags 25 kg	1,5 ton
	KaltAsphalt plus in big bag 1500 kg	BTNKAPBIG1.50	Big Bag 1500 kg	1,5 ton
	KaltAsphalt plus bulk	BTNKAPSFUSO	Bulk 30.000 kg	30,0 ton

*Available in grain sizes 0/6, 0/8 and 0/16

Warranty / Expiry Date	18 months in operation. Expiry date: in covered area 18 months from date of production.
Specification item	Supply cold asphalt (such as KaltAsphalt plus) in bags weighing 20, 15, 25 kg, as well as in a plastic bucket weighing 20 kg or a bag weighing 1500 kg or bulk. It is a specialized cold asphalt that reacts by pressure. It consists of natural basalt gravel, recycled gravel (scraped asphalt) and a highly improved bituminous binder with SBS (flexible polymer) obtained exclusively from recycling. KaltAsphalt plus contains at least 60% recycled materials. It also does not contain any volatile organic compounds. KaltAsphalt plus adheres perfectly to the place where it was laid in the road surface, potholes, asphalt bumps, cobwebs and crocodile skin, without the need for any kind of primer. It is used even in the presence of rain or a wet road surface. When applied, KaltAsphalt plus does not need heating to activate the binder. Moreover, the product does not clump in the bag at subzero temperatures (-15°C) while maintaining the technical characteristics of its use. Marshall stability is higher than 3 KN, the ratio of periodic pressure voids: 100 rpm 10 ± 3%. When emptying the bag, no solid residue remains inside it, exceeding 2% of the weight of the bag, so that only the plastic bag is disposed of without any residue from the product. The operational capacity of the product is guaranteed for at least 18 months. The production cycle must comply with the "minimum environmental standards" observed in the UNI PdR 88 standard, with the assurance that the percentage of recycled materials is not less than 60% and all certified by a qualified accreditation body.

Uses






Classic potholes even with water	You can use KaltAsphalt plus where there is water by pouring the product into the hole without prior cleaning.
Footpaths and cycle paths	Compacting KaltAsphalt plus with vibratory plate, easily repair pavement deteriorations.
Underground excavation	Thanks to the mechanical performance of KaltAsphalt plus close the construction site, reopen to traffic in a very short time, without being bound by the production and transport schedules of the hot asphalt mix.
Manhole covers	Thanks to its versatility KaltAsphalt plus has no problem with adherence to different materials.

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Technical data sheet

		REGULATIONS	U.M.	VALUE
Technical data *Also available in particle sizes 0/6 and 0/16	Marshall stability after 72 hours at 25 °C	UNI EN 12697-34	kN	> 3,0
	Marshall rigidity after 72 hours at 25 °C	UNI EN 12697-34	kN/mm	> 1,0
	Indirect tensile strength after 72 hours at 25 °C	UNI EN 12697-23	kPa	> 60
	Determination of void characteristics of bituminous test specimens	UNI EN 12697-8	%	10,0 ± 3,0
	Determination of bulk density in bituminous test piles - Marshall test specimens	UNI EN 12697-6	Mg/m	2,305 ± 0,050
	Soluble binder content - by weight of the mixture	UNI EN 12697-1	%	5,4 ± 0,4
	Granulometry	UNI EN 933-1	mm	0/8*
	Inert smoothness (PSV)	UNI EN 1097-8	%	> 44

KaltAsphalt Plus protects the environment 60% eco-friendly	Modified binder with SBS	100% recycled
	Milled	100% recycled
	KaltAsphalt Plus is recyclable	100%
	VOCs (Volatile Organic Compounds)	No additions
	Green Product Certificate	UNI PdR 88
	Disposal Sack (Corepla)	Lightweight Packaging/Plastic

Functionality	Elastopolymer-modified binder	Only SBS
	Binder (bitumen)	No added
	Recycled material	60%
	Workability loose and bagged	More than 18 months
	Functionality in a hole full of water/rain	Excellent
	Temperature of use	-30°C + 80°C
	Resistance to freeze-thaw cycles	Without disintegration
	Resistance on site on spider web/crack	Greater than 12 months
	Resistance on site in endorsement	Greater than 24 months
	In situ resistance in a confined pit	Greater than 36 months

Distributed and marketed by

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Datasheet

Watch the video