DESCRIPTION

TECHNOASFALT is a THIRD GENERATION cold bituminous conglomerate workable at ambient temperature, made with SBS e SBR Modified Bitumen coming from end of life tyres (PFU) fluidized with selected vegetable oils. It is a selected mixture (sands, first class basaltic granules). The binder is made of cold modified bitumen with elastomers, eco-friendly vegetable oils, plasticisers and additives which keep the mixture easily workable for a period of even 24 months after packaging. The product hardens and stabilizes with only the compression. The particular binder is studied to confer performing characteristics similar to a hot bituminous conglomerate, preserving the working facility typical of a cold conglomerate. **TECHNOASFALT** does not look oily, has cohesion characteristics such as not to stick to tyres of passing through trucks, drastically reducing the loss of granules and waste. It does not move from holes and does not crumble neither in winter nor in summer. It helps to respect the environment. It reduces the emission which alters the climate of about the equivalent of 20 kg of CO_2 for each ton of product.
TECHNOASFALT does not stick to the bags and much less to the wheels of the operating machines.

FIELDS OF USE

TECHNOASFALT is destined to the maintenance of the road paving, holes filling, closure of excavations for the laying of pipelines, restoration of road paving sections, etc. It can be applied manually and/or with vibratory finishing machine, quickly eliminating the hidden danger due to the road paving asymmetry so to guarantee the users safety, even on wet substrates. Moreover it is resistant over time to the strain of vehicular traffic of main and secondary roads, urban and extra-urban, for quality repairing, due to last over time.

APPLICATION

Practical to use, it is advisable to clean the application area before, then lay **TECHNOASFALT.** The product does not require any priming layers not even on damp and wet areas. It has a particle-size analysis of 0/8 mm, therefore it requires minimum intervention thicknesses of at least 2,5cm. In case of intervention of more than 5 cm, it is necessary to apply subsequent layers taking care to press the previous one with suitable machineries. The handmade patch will have an exceeding filling quantity of at least 1-2 cm. The final hardening takes place only by pressure. In case of application in low traffic areas, press very well by straightening roll, vibrating plate, pestle, shovels, when finished, the road can be opened immediately to traffic.

TECHNOASFALT is a material mainly intended to eliminate the paving disconnections to guarantee the road traffic safety.

CONSUMPTION

Approximate consumption 22/23 kg for each sq.mt./cm of pressed thickness.

PACKAGING

25 Kg bags (60 bags per pallet)

STORAGE

Keep the bags sealed very well, if possible sheltered from atmospheric agents, **without overlapping the pallets**. A good handling of the packaging and the pallets allow the product to remain workable for a 24 month period from packing date.

To facilitate the handling in particularly cold periods, it is advisable to store the bags at temperature close to +10°. To facilitate the tempering and an easy application, open the bags completely before the use to air the product.

SAFETY INSTRUCTIONS

PRECAUTIONS

For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.

ECOLOGY

Do not through out the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

TECHNICAL CHARACTERISTICS

Granulometry analysis (UNI EN 12697-2) – Exclusively basaltic inerts

UNI EN SIEVES	WIDTH mm	MOLTEN	
Sieve 10	10	100	100
Sieve 8	8	90	100
Sieve 4	4	40	70
Sieve 2	2	15	35
Sieve 0,5	0,5	2	15
Sieve 0,25	0,25	2	10
Sieve 0,063	0,063	2	5

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CHARACTERISTICS	TEST METHOD	VALUES
Binder on aggregates weight	UNI EN 12697-1	≥6,5%
Compacted medium volume weight (Marshall 75+75 knocks)	UNI EN 12697-6	≥2,150 Kg/dm³
Empty remains (Marshall 75+75 knocks)	UNI EN 12697-8	≤10%

NB. The characteristics stated in the present specification are guaranteed and can be detected on product homogeneous samples, taken in cross-examination as for the current EN regulation, especially the UNI 12697-27.