

ASFALTIVAL 2.0 REVOLUTION

Cold bituminous conglomerate

PRODUCT DESCRIPTION

ASFALTIVAL 2.0 REVOLUTION 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.

ASFALTIVAL 2.0 REVOLUTION is a selected mixture of sands and first class basaltic granules (Los Angeles <17). 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.

ASFALTIVAL 2.0 REVOLUTION 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.

ASFALTIVAL 2.0 REVOLUTION 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.

ASFALTIVAL 2.0 REVOLUTION does not move from holes and does not crumble neither in winter nor in summer.

ASFALTIVAL 2.0 REVOLUTION helps to respect the environment. It reduces the emissions which alters the climate of about the equivalent of 20 kg of CO₂ for each ton of product.

ASFALTIVAL 2.0 REVOLUTION does not stick to the bags and much less to the wheels of the operating machines.

APPLICATION AREAS

ASFALTIVAL 2.0 REVOLUTION 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.

ASFALTIVAL 2.0 REVOLUTION 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.

ASFALTIVAL 2.0 REVOLUTION 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.

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

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.

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CHARACTERISTICS	TEST METHOD	M.U.	VALUES
Binder on aggregates weight	UNI EN 12697-1	%	> 6,5
Compacted medium volume weight Marshall 75+75 knocks	UNI EN 12697-6	Kg/dm ³	> 2,150
Empty remains Marshall	UNI EN 12697-8	%	< 10

PRODUCT APPLICATION

Practical to use, it is advisable to clean the application area before, then lay **ASFALTIVAL 2.0 REVOLUTION**. The product does not require any priming layers not even on damp and wet areas.

ASFALTIVAL 2.0 REVOLUTION requires minimum intervention thicknesses of at least 2,5 cm. 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.

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

LOGISTIC AND SERVICES

ASFALTIVAL 2.0 REVOLUTION is a material mainly intended to eliminate the paving disconnections to guarantee the road traffic safety. It is always available by our factories and stores located over the national territory.

ASFALTIVAL 2.0 REVOLUTION is assisted by a logistic service (just in time), by trucks equipped, if necessary, with automatic board or unloading crate in safety conditions, all over the national territory.

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 12 months period from packing date. The operating temperature range is between -5 and +50°C, however 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.

PACKAGING

ASFALTIVAL 2.0 REVOLUTION is available in the following packaging:

- 25 kg bags (one pallet = 60 bags)
- 20 kg bags (one pallet = 75 bags)
- loose.

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