

VIALIT REPHALT® Air-Curing, Solvent-Free, Reactive Synthetic Asphalt Repair Product for Asphalt Surfaces:

Description:

Our company is the main distributor of Vialit Rephalt product in Turkey. Rephalt is an easy-to-apply cold repair product used for rapid repair of cracks and potholes on asphalt and concrete surfaces. It can be easily applied by anyone without the need for a construction company.

Key Features:

Rephalt is a hardening asphalt product composed of hard particles (hard splinters) and special binding agents. Rephalt is applied cold and hardens within one hour after water is sprinkled at a temperature of 20°C. Immediate compaction and vehicle traffic can be carried out on the asphalt. Hardened Rephalt is equally stable and excellent as a cooled "hot asphalt pavement." Normal construction can be carried out on top of Rephalt layers. There is no issue of "migration of melting agents" as in known cold asphalt pavements. Rephalt is environmentally friendly, composed of environmentally protective and recyclable raw materials. Additionally, it does not contain volatile solvents. Rephalt is applied cold and can be walked on immediately after application. Normal construction can be performed on top of Rephalt layers without any lubrication issues as seen in known cold mix materials. Rephalt is environmentally friendly and made from eco-friendly materials. Rephalt has the ability to be recycled and does not contain evaporating solvents. It can also be applied in cold weather conditions (pay attention to application instructions!). When fully cured, it has been proven through Marshall comparison tests to be 80 times more durable than hot asphalt.

Applications:

Can be used on roads belonging to all types of loading categories. Suitable for filling speed bumps and drill holes, leveling height differences, filling large cracks, joints, and seams. It can be used for repairs of drainage channel asphalt and split (jointed) paste asphalt, construction of thin-layered overlays on highways, construction of small ramps in high-rise areas, repairs of concrete or cast asphalt pavements for damages such as cracks, and more. Suitable for use in railway stations (platforms, etc.). Can be used for filling canal wells after repair.



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Technical Specifications:

Formulation: Special mixture of Vialit synthetic asphalt resin and mineral.

Color: Black.

Odor: Characteristic.

Solvent: None.

Silicone: None.

Density: [g/cm³] at 25°C: 2 - 2.5.

Packaging: 25 kg material, 5 kg primer.

Rephalt: 25 kg is sufficient for 1 m² area of a 1 cm thick layer.

Can be stored for one year from the production date in its original sealed packaging. Should be stored in a cool and dry place. Damaged packaging can lead to moisture penetration and gradual hardening of the material. If possible, use the material immediately or transfer it to another packaging that provides better protection.

Application Preparations:

Surface Preparation:

The surface should be clean, free from loose materials, dry, or slightly moist. Sweeping carefully is usually sufficient. The base temperature can be either hot or cool depending on the season. Working with REPHALT below 0°C is possible, but additional precautions may be required (e.g., removing ice particles in drill holes). Rephalt should be stored in a warm room environment beforehand for better workability, and water should not be used during application. Consideration should be given to the longer hardening time. If applying to concrete surfaces or when adhesion is required for thin layers, an appropriate adhesive bridge should be used on the layer and edges.

Application:

Empty the asphalt mixture onto the base using a shovel or scoop and spread it evenly using a rake or trowel. Then, the Rephalt layer is moistened by spraying water onto it. This allows water to penetrate into open cracks and moisten the entire asphalt mixture. Approximately 1 liter of water is required for every 30 kg of asphalt mixture. Next, the asphalt mixture is compacted. Manual compaction may be sufficient for small areas, but it is recommended to use a lawn roller or a vibrating machine for larger areas. Slow traffic can use the new layer without causing damage. It will take several hours for maximum durability to be achieved. The equipment used can be cleaned with biodiesel or rapeseed oil. If these are not available, gasoline, diesel, or fuel oil can be used.



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Points to Consider:

It is important to fully consume partially used containers before using unopened ones, as open containers can come into contact with moisture and cause the contents to harden. The technical information provided in this data sheet includes basic information about the product and its application. Our company reserves the right to modify this information based on research and development activities. When a new technical data sheet is prepared, the validity of the previous one will expire. We cannot provide any guarantees or accept liability for applications carried out beyond our control.

Warranty and Liability:

Our company provides a warranty only for the quality of the material. Proper storage, transportation, and application of the material are the responsibility of the user. Our company cannot be held responsible for any damages resulting from the misuse or improper application of the material. The material application should be done in accordance with relevant local regulations and standards. The areas of use and application methods of the material should be carefully read and followed according to the instructions.

Health and Safety:

The use of appropriate personal protective equipment is important during the application of the material. Equipment such as eye protection, gloves, and masks should be used. Skin areas in contact with the material should be washed with soap and water. In case of eye contact, rinse thoroughly with plenty of water and seek medical attention. In case of ingestion of the material, immediate medical assistance should be sought, and the packaging or label should be shown. Proper disposal of waste that may harm the environment is necessary. Local regulations should be followed.

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