Shot blasting method

KUTTER Special Road Construction
Road maintenance  COST EFFECTIVE · DURABLE · FAST
Shot blasting method

In shot blasting around 1.5 mm large steel balls are hit against the road surface at high speed. In doing so the grain surfaces are broken up again and small mortar pieces crushed. Parallel to this steel balls together with all abraded material are suctioned up. The steel balls are separated in the device and used again. The abraded material is collected in a container on the machine. Material abrasion is very low with this method. The shot-blasting method is used to roughen up asphalt and concrete roads. At the same time a fine directionless surface texture is produced. Excess bituminous binders on the surface can be abraded depending on their intensity and surface temperature.

Choosing the most suitable abrasive method (fine milling, shot blasting, bush hammering, high pressure water method) for your construction site is an individual matter. If the clean-up goal is determined than additional parameters must be drawn upon to help you choose the best method. Our field staff are happy to visit you on-site to help you choose the most suitable method.

**PROCEDURE**

**METHOD**

01 Shot blasting machine with shot blast unit, filter system and collection container.

02 Shot blasting unit, working width 2.00 m

03 Shot blasted strips on a concrete motorway to improve adhesion

04 Shot blasted strips on an asphalt surface

05 Close-up view of untreated and shot blasted area (improved adhesion asphalt road)

06 Close-up view of untreated and shot blasted area (abrasion of excess binder on an asphalt road)

**AREAS OF APPLICATION**

Improved adhesion (asphalt and concrete surfaces)

Removal of rubber residue on air traffic runways (airports)

**ADVANTAGES**

- High daily output
- Maintaining substance
- Only minimal material abrasion