



## Construction

### Basalt

Basalt is a very hard black stone that is quarried in the northern part of Israel. The stone has an especially low abrasion rate and high specific gravity, giving it unique properties and a relative advantage.

The stone is carefully sorted to obtain uniform material, without any detritus. Basalt is useful for many purposes including high-abrasion surfaces, surfaces that are subject to corrosion by chemical materials, and more.

\* Available in a wide variety of grades and different packages, according to the customer's requirements.



| Size (in mm) | 16-25 | 9-16 | 2.5-9 | 1.4-2.5 |
|--------------|-------|------|-------|---------|
|--------------|-------|------|-------|---------|

| Properties tested according to SI 1098 | Results in % | Chemical Analysis              | Results in % |
|--|--------------|--------------------------------|--------------|
| Crushing rate                          | 17.8         | Al <sub>2</sub> O <sub>3</sub> | 14.7         |
| Dust content                           | 0.30         | CaO                            | 7.1          |
| Absorption                             | 0.9          | Fe <sub>2</sub> O <sub>3</sub> | 12.4         |
| Specific gravity kg/m <sup>3</sup>     | 2632         | K <sub>2</sub> O               | 1.1          |
| Solidity                               | 0.9          | MgO                            | 10.3         |
|  |              | Na <sub>2</sub> O              | 4.5          |
|  |              | SiO <sub>2</sub>               | 44.6         |
|  |              | TiO <sub>2</sub>               | 2.1          |
|  |              | LOI                            | 2.1          |
|  |              | P <sub>2</sub> O <sub>6</sub>  | 1.1          |
|  |              | MnO <sub>2</sub>               | 0.8          |