

SOFTBETON Features

1. Pumpable

In its uncured state, the material can be pumped over distances exceeding 100 m without compromising its quality or its density. It is self-levelling at the point of placement.

2. Lite-Weight and Variable

The pores, which are entrained when the cement slurry is aerated, reduce the material's weight. The more air pores the lower the material density, thus by adding the desired volume of air pores any desired compression strength can be set.

3. Impermeable

The aeration process creates an outer wall of cement slurry around same sized air bubbles, leaving the pores separated from each other in the process. The resulting structure is impermeable.

4. Frost Insensitive

The pore structure allows any contained water to expand anytime at any rate without damaging the material's structure. Freeze-thaw-tests of 12 cycles with $\pm 60^{\circ}\text{C}$ show that SOFTBETON maintains its properties throughout the test.

5. Easy to Maintain

In the road and railroad track construction, SOFTBETON can be removed or replaced quickly at low costs.

7. Sound Insulating

The material's pore structure creates excellent solid-borne and footstep sound properties. Vibrations are reduced substantially.

8. Fire Resistant

SOFTBETON does not burn and is extremely temperature resistant beyond 1.000°C depending on its material mix.

9. Recyclable

SOFTBETON can be recycled easily, since it consists of cement and water only and does not contain any admixtures.