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FIREPROOF CASTING CONCRETE TKV



Product description

Fescon Fireproof casting concrete TKV is a specialized compound for fire-resistant castings in baking ovens, fireplaces, grills and other fire-heating appliances.
• Easy to use
• Heat resistance +1200°C
• Good workability characteristics

Applications

• Fireproof casting and repairs of ovens, grills and other fireplaces

The product is listed in the portal for building products that can be used in Nordic Swan Ecolabelled buildings.

Instructions

Mixing

Refer to the bag for how much water the plaster requires. Add the dry material to the water and mix with a concrete mixer for around ten minutes. With a power mixer or a drill paddle, around four to five minutes of mixing is sufficient. Allow the plaster to stand for around ten minutes and mix it again for a short while. Find the correct consistency at this stage by gradually adding the rest of the water. We do not recommend adding all of the water right at the start. The finished plaster remains workable for around one hour.

Work instructions

The lowest working temperature is +5°C. In slab-type casting, the minimum casting thickness is 50 mm and, for example, in casting the roof of a baking oven, it is 100 mm. Do not reinforce the casts, because the thermal expansion of steel is greater than that of the casting mass. The mass begins to set after 2-5 hours

After treatment

Before taking the structure into use, allow it to dry 2-3 weeks with all hatches and dampers open. Perform the first, careful heating with a heater blower, for example. Next 3 to 5 days, heat carefully with a small fire. Leave the hatches and dampers open after each drying heating.

Waste handling

Storage and handling of waste
See the separate storage and disposal instructions https://www.fescon.fi/en/material-bank

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Technical information

Water requirement	2.0-3.5 l/25 kg
Finished compound	11-12 l/25 kg
Type	Powder
Colour	Grey
Maximum grain size	5.0 mm
Storage	Storage time in a dry location approx. 1 year
Lowest usage temperature	+5°C
Workability time	1 h
Heat resistance	+1200°C

Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.