DENKA PF MORTAR

Spraying mortar for Smart Shotcrete System

Description

DENKA PF MORTAR is a pre-mixed dry mortar for spraying, which consists of cement, well distributed sand and high-quality fiber. PF mortar achieves high strength in early age, and low dust and rebound.

PF MORTAR is sprayed by simple and compact operation system.

Advantage

- Excellent quick-setting property
- Low dust generation and low rebound
- Excellent compressive strength, bond strength and flexural strength over the long term from early on Excellent resistance to inflow
- · Compact system design and easy operation

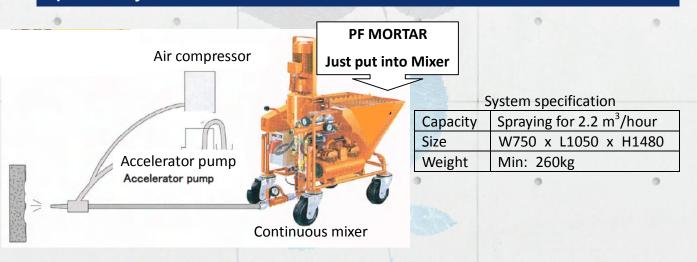
Applications

- Repair for existing tunnels
- Small volume shotcrete (e.g. cross-passage tunnels)
- Reinforcement for unconsolidated ground
- Ground support after TBM excavations

Packaging

Product name	Product	Package	Appearance
PF MORTAR TYPE-K	Main component	25 kg paper bag 500 kg bulk bag	Gray powder
SUBSHOT K	Hardening accelerator	20 kg Tin can 1,200 kg bulk container	Liquid

Operation System





Technical data

1) Compressive strength measured by JIS R 5201

Temperature	1 hour	1 day	28 days
20 °C	2.4 MPa	24.6 MPa	38.1 MPa
35 °C	4.1 MPa	31.5 MPa	43.8 MPa

2) Flexural strength measured by JIS R 5201

Temperature	1 hour	1 day	28 days
20 °C	1.1 MPa	6.6 MPa	7.6 MPa
35 ℃	1.8 MPa	7.2 MPa	8.1 MPa

3) Rebound and Dust

Rebound rate	Dust concentration	
1.2 %	1.4 mg/m ³	

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DENKI KAGAKU KOGYO K.K.

Special Cement Additives Department TEL: +81-3-3507-5465 FAX: +81-3-3507-5085 -China-DENKA INFRASTRUCTURE TECHNOLOGIES SHANGHAI

ROOM 2807, NEW HONGQIAO CENTER BLDG

NO.83 LOUSHANGUAN RD, CHANG NING AREA, SHANGHAI CHINA

TEL: +86-21-6236-5510 FAX: +86-21-6236-5505 -Asia-DENKA INFRASTRUCTURE

TECHNOLOGIES PTE LTD 4 SHENTON WAY #29-02 SGX

CENTRE 2 SINGAPORE 068807 TEL:+65-6216-0580 FAX:+65-6224-3840 -Europe-DENKA CHEMICALS GMBH

WEHRHAHN-CENTER, CANTADOR STR.3, DUSSELDORF, GERMANY

TEL: +49-211-130990 FAX: +49-211-329942