

ST.ONE®

by  SAINT-ASTIER

Flagstone

STONE REPAIR MORTAR



ST.ONE® RANGE

SPECIALISED MORTAR

THE + BENEFITS

- ◆ Compatible and reversible
- ◆ Designed for surface repairs of flagstone and steps
- ◆ Easy to model, form and shape

SUITABLE FOR

Repair of damaged flagstone.

COMPOSITION

Ready-mixed mortar based on Saint-Astier® hydraulic lime.

25
KG

BS-EN
998-1

TYPE
CR



TECHNICAL DATA

ESSENTIAL SPECIFICATIONS	Units	Typical value
Dry density	g/L	1,450
Wet density	g/L	1,750
Compressive strength at 28 days	MPa	13
Flexural strength at 28 days	MPa	4.5
Elasticity moduli	MPa	12,500
Shrinkage	mm/m	< 0.95
Permeability	μ	0.75
Granulometry	mm	0 to 1

MIXING

Add clean water. Manually mix with a mortar mixer set at a slow speed (300 – 450 rpm) for 3 minutes. The paste must be firm enough to maintain its shape and stand firmly on the trowel, without flowing.

APPLICATION

Water addition: 5.5 to 6 litres per 25kg.
Please refer to the St.One® application sheet for full application guidance. Training is highly recommended before using St.One®.

PRECAUTIONS

Do not apply St.One® to a frozen or exceedingly hot background. The applied mortar must be protected from extreme heat, freezing, strong wind, direct sunlight and rain. Do not use bonding agents with St.One®.

WORKING TEMPERATURE

Recommended ambient temperature range for application should be between 5°C and 30°C (45°F to 85°F). With high temperatures and/or wind, moisten the support the day before application and moisten the support again on the day of application one hour before starting application to prevent excess evaporation and drying. Do not use St.One® if there is risk of frost.

CONSUMPTION/THICKNESS

- > Consumption: 1.2 to 1.4kg per mm of thickness per m².
- > Minimum thickness per coat: 5 mm.
- > Maximum thickness: 200 mm.

HEALTH & SAFETY

Consult safety data sheet for each product before use. Health and Safety information can be found at stastier.co.uk/st-one-health-and-safety/.

Special care should be taken to prevent dust from becoming airborne. The use of ventilation and wet-methods are recommended. Always use appropriate safety protections, including respiratory protection, protective clothing and eye protection.