

# ST.ONE®

BY SAINT-ASTIER®

TECHNICAL DATA SHEET

## ST.ONE® Fine

FINE-GRAIN REPAIR MORTAR  
FOR SANDSTONE

## THE BENEFITS

- + BASED ON SAINT-ASTIER® LIME
- + CAN BE USED FOR REPAIRS UP TO 10 CM
- + OVER 30 YEARS EXPERIENCE
- + CAN BE REMODELLED FOR UP TO 48 HOURS

25  
KG

BS EN  
998-1

TYPE  
CR

### SUITABLE FOR

- > Thick reconstruction of facings, carved or sculpted architectural ornaments
- > Filling and repairing spalls
- > Façade mouldings
- > Imitation stone cladding

### PACKAGING

- > 25 kg bag
- > 40 bags per pallet (1T pallet)

### COMPOSITION

Ready-mix mortar based on Saint-Astier® hydraulic lime, pigments, selected aggregates and specific additives.

### SHELF LIFE & GUARANTEE

One year from the date of manufacture, protected from moisture and in its original, unopened packaging. Manufacturer civil Responsibility.

30  
YEARS OF  
ST.ONE®



DEDICATED  
TRAINING

by



**SAINT-ASTIER**

LIME, LIFELONG EXCELLENCE

## FINE-GRAIN REPAIR MORTAR FOR SANDSTONE

### SUITABLE SUPPORTS

All natural stone (BS EN 1467 August 2012) and sound mineral masonry units (tensile strength >0,3 MPa) for the creation of imitation stone mouldings and fascias.

### UNSUITABLE SUPPORTS

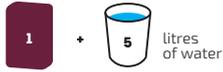
All gypsum plaster, paint, wood, steel, glass, raw earth and hemp concrete substrates.

### SUBSTRATE PREPARATION

- > They must be sound, clean and dust-free, with no traces of oil, organic growth, loose or damaged parts (sound stone must be purged to a thickness of at least 5 mm).
- > It is necessary to delimit the area being repaired (square or rectangular) in a dovetail shape to ensure that the repair blends in well with the substrate and its surroundings, while respecting the shape of the fixtures.
- > For repairs thicker than 3 cm, mechanically fix a metal wire reinforcement (brass, copper, stainless steel, etc.) suited to the weight and shape of the repair.
- > The surface must be adequately dampened down and allowed to reabsorb running water as it can affect the bonding of the St.One.

### PREPARING THE MORTAR

- > Mix manually or mechanically (300 to 400 rpm).
- > Mix for at least 3 minutes to obtain a firm, workable consistency.
- > The water dosage and mixing time must be constant.

<b>WATER CONTENT OF MORTAR</b>	<b>ST.ONE® FINE</b>
<b>MECHANICAL MIXING</b>	
<b>AVERAGE CONSUMPTION</b>	3 minutes minimum 1.7 to 1.8kg / m <sup>2</sup> / mm thickness

### MORTAR APPLICATION

- > Tools required: trowel, float, cat's tongue trowel (spatula), template and all the tools of the stonemason.
- > The mortar is applied in successive passes of 1 to 3 cm, fresh on fresh. Where metal reinforcement is in place, this must be covered with a minimum of 1 cm of mortar and a maximum of 4 cm. If necessary, formwork can be used after the plaster has been applied. The various passes, with the exception of the last, must be left rough.
- > Minimum finished thickness of 5 mm.

### FINISHES

- > The mortar can be shaped for up to 48 hours, depending on weather conditions, using suitable tools.
- > Once the stone has stiffened sufficiently, you can use stonemason tools such as a cutter, chisel, rasp or saw to restore the final appearance of the original stone.
- > The patina and uniformity of repairs can be improved by applying lime water, patina or lime paint.

**NOTE:** maintenance is the same as for natural stone.

### WEATHER CONDITIONS

Use between 8°C and 30°C. In hot or windy weather, dampen surfaces and maintain humidity by spraying moderately for 48 hours prior to application.





### PERFORMANCE

ESSENTIAL SPECIFICATION	Typical value	Units
Dry density	1150 to 1250	g/L
Wet density	1550 to 1650	g/L
Compressive strength at 28 days	12 to 14	MPa
Flexural strength at 28 days	5 to 6	MPa
Elasticity modulus	13000 to 15000	MPa
Shrinkage	<0,9	mm/m
Vapour permeability	15	μ
Granulometry max.	0,8	mm
Capillarity	0,06-0,09	kg/m <sup>2</sup> .min <sup>1/2</sup>

### HEALTH & 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.
- > Consult safety data sheet for each product before use. Health and Safety information can be found at [technical\\_support@saint-astier.com](mailto:technical_support@saint-astier.com).

