



Burnt Sand Mastic - Data Sheet

Issue 2 - Nov 2021

PRODUCT

Mix Ratio - Typically 1:4

Burnt sand mastic is the traditional compound used in building to join the timber window and door frames to masonry or render as it adheres tenaciously to most surfaces. It has been in use for at least 200 years.

It is made by roasting sand on a hot plate or in a small kiln and was originally mixed with oils, lead based driers and crushed chalk. However, for many years now, alternative natural driers have replaced the lead products and this is supplied as a formulated oil, separate to the sand.

Supplied in two parts; Burnt Sand+ Oil-Driers.

USAGE

Used to join the timber window and door frames to masonry or render. It hardens slowly but remains sufficiently flexible for the purpose.

COVERAGE

We are unable to give a coverage figure for this product as joint depth and size can vary for the areas of application. Please contact us for further information.

ADVANTAGES

- Breathable material
- Flexible
- Water repellent
- Traditional material
- Colour matched

COLOURS

Our range has 12 colours;

White, Parchment, Pointing, Linen, Sawdust, Standard (unpigmented), Brick Brown, Earth Brown, Saddle Brown, Khaki Green, Smoke Grey and Black.

Custom colours available upon request.

PREPARATION

In general, this will be determined by the purpose and application of the Burnt Sand Mastic.

We would expect appropriate preparation in accordance with best practice; where the surface is clean, free of dust and other debris.

Before pointing ensure that all wide gaps between the frames and the masonry are tightly packed with well haired lime mortar that has been allowed to cure and harden (this was the original material used to bed window frames). In some circumstances inert filler boards of suitable packing can be used. Keep the joints slightly recessed 4-5mm. Take a small painters fitch brush and apply a light primer coat of the supplied oil driers to the frame and the adjoining masonry surface, making sure that the line of the proposed mastic joint is maintained.

MIXING

The Burnt sand mastic is combined with a mixture of oils and driers (supplied with the sand mastic) on a clean surface, mix thoroughly using the minimum amount of oil.

Mix ratio of 4-parts sand to 1-part oil.

Once mixed with Oil the mastic will harden/cure; the time will vary considerably on the ambient temperature and the colder it is the slower the cure will be.

Mix only that which can be used in a few hours. For best colour results for a pigment Burnt sand mastic mix all in one go.

As a dry mixed material, it is possible that some settlement or separation may occur in the tub during transit; when mixing small amounts, it is especially important that the dry contents are thoroughly blended prior to mixing with oil.

PACKAGING

This product is supplied in 20ltr plastic tub for burnt sand and plastic bottle for the oil.

STORAGE

This product should be stored in dry conditions, with the lids firmly secured.

HEALTH AND SAFETY

FIRST AID MEASURES FOR OIL:

In case of serious or persistent conditions, call a doctor or seek emergency medical care. First aid measures after inhalation Remove to fresh air. Obtain medical attention if symptoms persist. First aid measures after skin contact Cold material: wash with soap, hand cleaner and water. Hot material: flush skin with cold water to cool as quickly as possible. Cover with clean cotton. Do not attempt to remove substance from a burn as this can result in tissue loss. Obtain prompt medical attention First aid measures after eyecontact Cold material: wash eyes thoroughly with liberal amounts of water. Heated material: Rinse with cool water to dissipate heat, do not try to remove substance. Obtain prompt medical attention. First aid measures after ingestion Wash the mouth with water. If large amounts are swallowed obtain prompt medical attention.

FIRE FIGHTING MEASURES FOR OIL:

1 Extinguishing media: Suitable extinguishing media Dry chemical, CO₂, foam. Unsuitable extinguishing media; Water jet. This will cause the fire to spread.

1.1 Special hazards arising from the substance or mixture: When left on rags, cloth, paper tissue or similar organic material, Linseed Oil has the potential to SPONTANEOUSLY COMBUST. Once used, any of these materials with the Linseed Oil blend on them should be placed into water.

1.2 Advice for firefighters: Firefighting instructions No further relevant information available. Protection during firefighting Breathing apparatus and protective gloves.

SAFETY PHRASES

No safety phrases

RISK PHRASES

No risk phrases

SUBSTANCES:

Burnt Sand Mastic% content: 70-90% sand, 10-30% Limestone

CAS Number: 14808-60-7 (Quartz)

Classification: Specific target organ toxicity - repeated exposure (Category 1)

EINECS: 238-878-4

Linseed oil not manufactured by Cornerstone

Linseed oil: Classification according to Regulation (EC) No. 1272/2008 [CLP] Skin Sens. 1 May cause an allergic skin reaction Classification according to Directive 67/548/EEC or 1999/45/EC Xi Irritant Adverse physicochemical, human health and environmental effects. No additional information available.

DECLARATION:

- These will contain no cement, silicone or plastics whatsoever