



Subject: MSDS Desana Brick Rainscreen System

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Introduction

This information sheet is intended to explain the general properties of the Desana Brick Rainscreen System, in so far as they are relevant to the control of substances and their safe use on a construction site.

They are not intended as an exhaustive list of all technical data and are a guide for consideration within the contractor's safe working method statement. If further information is required, please contact Desana Partners directly.

Intended uses

Desana systems are generally used as a rainscreen cladding system.

Composition

Extruded clay in a standard size of 8.5 in x 2.5 in (215 mm x 65 mm) and supported on a rolled profile aluminium tray system anchored to vertical trays which are in turn fixed to the structure.

Chemical Properties

Inert natural Etruria Marls and fire clays quarried and blended with natural earth minerals and fired to temperatures greater than 1472 °F (800 °C) to produce a uniform frost resistant durable and natural clay brick.

Alloy 6005A T6 mill aluminium sub framing system and 304B stainless steel.

Fasteners for the trays to the support system are stainless steel for weather resistance and to reduce bi-metallic corrosion.

Physical Properties

Melting point of the aluminium support occurs above 1832 °F (1000 °C). The bricks will resist all extreme heats in temperature and have a water absorption less than 5% which makes them highly frost resistant.

Storage & Transport

No special precautions are necessary for the Desana brick products; however, it is recommended to handle the bricks with due care as they are dense and a hard clay product. Due to the product having a natural through color if bricks are replaced after several years from stock bricks, natural sunlight may fade the color slightly due to the different storage to application



conditions but over a period of time the replaced brick will under the same exposure conditions blend into the bricks surrounding it.

Appearance

There is a wide selection of natural and glazed color available in the brick ranges which are delivered to site in a palletized form. Units can be site cut if necessary to create a specific size using wet cut diamond tipped circular disc saw.

Packaging

The bricks are banded onto pallets and shrink wrapped to bind the pallet together with edge corner protectors provided for transportation. Pallets may be stacked on top of one another (i.e., max. 2 packs high) with care taken so as not to damage the bricks in the lower pallets while loading and off-loading.

Health Aspects Desana Products

As a natural clay product there are no respiratory problems with the installation or use of the clay units under the health and safety controls for normal site activities.

Wet cutting minimizes the exposure of the operative to dust.

Handing Precautions

Clothing: Most operatives find it best to wear loose clothing, especially avoiding tight constrictions at neck and wrist, etc. We recommend the use of gloves to guard against cuts and abrasions. Wearing safety shoes and helmets is recommended for site working.

Eye Protection: When cutting clay materials eye protection is recommended at all times.

Respiratory Protection: When cutting the bricks, dust may be generated and a face mask should be worn.

Personal Hygiene: In all of the above the need for adequate standards of personal hygiene should be recognized.

Waste Disposal

Waste products are non-hazardous and their disposal should be in accordance with site regulations.

Emergency Action

If irritation to the eyes or throat occurs, consult a doctor.

Additional Information

Please read additional guidance notes and OSHA statements with regards to the other products which are used and combined on the façade through wall construction.

If there are any questions, please contact Desana Partners.

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