

## LYSIT – NATURAL WHITE AGGREGATE

### PRODUCT INTRODUCTION

LYSIT natural white aggregate is quarried from an Anorthosite rock in Norway. It's many uses include asphalt aggregates, concrete, ceramics, and other specialty products.

Anorthosite has a number of unique chemical properties that make the mineral suitable for various industrial purposes, as well as physical properties that also make it suitable as aggregate in asphalt and concrete industry.

### ASPHALT

LYSIT is widely used in the asphalt industry in Denmark and Germany. The white aggregate is mainly used in the surface course layer of asphalt with good abrasion resistance and durability. The white aggregate provides a natural light- reflection from the road surface.

Lysit is the brightest natural stone on the market with the best light-reflecting properties on both dry and wet conditions.

With a declared PSV of 50 LYSIT can be blended with other higher PSV aggregates without a serious detrimental effect on the skid resistance of surface course asphalt in service.



### CONCRETE

LYSIT is used as a light coloured aggregate in the concrete industry for products such as shotcrete in tunnels, kerbs, pedestrian crossings, and polished elements.

With a high Alumina content, LYSIT is also suitable for use in various refractory uses.

The rock does not contain quartz and is not alkali-reactive, which are important factors causing expansion and crack-damaging of concrete.

### DECORATIVE SURFACING

LYSIT is frequently used as a light reflecting and decorative aggregate in surface dressing, resin-bound and resin-bonded applications on pedestrian areas, tow-paths, parks and public areas.



### BUILT ENVIRONMENT

In larger cities the average temperature is often much higher than surrounding areas. This phenomenon is known as UHI - Urban Heat Island and comes as a result of the construction materials we use, particularly road pavements. A dark pavement absorbs the rays and the surface temperature of the road surface rises. Research has shown that light pavements, however, reflect the rays more and the surface temperature is reduced significantly, with reduction of up to 10 degrees C demonstrated on surfaces containing LYSIT.

### LIGHTING

LYSIT provides a natural light-reflection from the surface and improves night-time and wet weather visibility for motorists.

The light reflecting benefits of LYSIT also include surface application in road tunnels allowing a reduction in lighting requirements.

### LOGISTICS

LYSIT is available in bulk shipments from 2,000 – 3,000 tonnes on a CIF basis to port facilities throughout the U.K. Ireland and mainland Europe.

We can arrange or advise on shipping, discharge, storage and road/rail transport options.

Smaller quantities can be accommodated in “big-bag” deliveries by road transport.

Product sizes are:

- 0-5mm
- 2-5mm
- 5-8mm
- 8-11mm
- 11-16mm
- 16-22mm

LYSIT is CE Marked. Declaration of Performance and further technical details are available by contacting us.

## Company

A & A is a trading and logistics agency offering a specific range of products to the highway maintenance and civil engineering sectors in the UK and Ireland. With a number of agency agreements and alliances in place with Companies from Great Britain, Northern Ireland, Republic of Ireland and mainland Europe, products can be offered throughout the British Isles including shipping and logistics solutions.



## Products

- Mastic Asphalt Paving
- Jig-Brix™
- High Specification Aggregate
- LYSIT Natural White Aggregate
- Limestone Aggregates
- Asphaltband Range
- Tree Pit Resin
- Anti-slip Resin
- Pre-formed Thermoplastic Markings
- BioSafe Rubber Products
- Decorative Aggregate

## Services

- Product Logistics
- Asphalt Technical Advice

