



Country cottage, modern home or even business premises, start designing your **Caithness flagstone sign**.

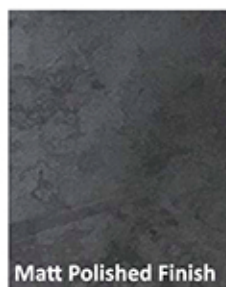
A combination of high quality indigenous stone with bespoke sandblasted designs ensures an eye-catching sign that stands the test of time. With an array of additional features to choose from, customer's design their perfect sign to suit their own tastes and complement the proposed surroundings.



Riven Finish



Antique Finish



Matt Polished Finish

Features & Benefits

Low Carbon Footprint - From extracting the stone to hand finishing the end product, all processes are handled on site.

High Performance - Renowned worldwide for its natural durability properties.

Wide Range of Uses - High flexural and compressive strength.

Versatile Appearance - Available in a variety of colours, finishes, layouts and sizes.



Caithness flagstone signs are made using only the optimum stone from our quarries to ensure durability and longevity when exposed to outdoor elements.





Technical Data Summary of Typical Values

Density	2650 (kg/m ³)	BSEN 1936: 2006
Porosity	0.40%	BSEN 1936:2006
Compressive Strength	209 Mpa	BSEN 1926: 2006
Water Absorption	0.20%	BSEN 13755:2008



Alongside the choice of finishes and bespoke sandblasted design, our signs also have several different shapes and fixing methods so client's can ensure the sign can be properly secured depending on their requirements.

Sign Design Features Summary of Typical Design Elements

Shape				
	Rectangle	Square	Oval or Round	Standing / Monolith
Hidden Dowel Fixing	X	X	X	
Screw Fixing	X	X	X	
Built Into Wall	X	X	X	X
Fixed Into Ground				X

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. As part of our continual improvement process, Norse Stone Ltd reserve the right to change the properties listed on this data sheet without any prior notice.



What you'll need

- | | | |
|-------------------------|-----------------------|------------------------------|
| - Stone sign (supplied) | - Template (supplied) | - Threaded dowels (supplied) |
| - Marker or pen | - Epoxy resin glue | - 10mm masonry drill bit |
| - Spirit level | - Electric drill | - Brace or prop |

Preparation

1. Place the sign face down on a clean surface and check the dowels fit by inserting them in each hole.
2. Remove the dowels from the hole. Mix a small amount of the epoxy and hardener as per the manufacturer's instructions and carefully put the epoxy compound into the holes until almost full.
3. Push dowels back into the holes using a twisting motion as if being screwed in to remove air bubbles. If the dowel is still moving up, remove the dowel and reinsert using the twisting motion.
4. Remove any excess epoxy compound from around each dowel using a rag or old cloth.
5. Check dowels are standing upright at 90 degrees. Adjust as necessary and leave for 24 hours to set.

Instructions

1. Decide where you would like your sign to be positioned and, using the template provided and a spirit level, ensure it is horizontally level.
2. Holding the template firmly in place, mark the positions of the holes by inserting a marker or pencil.
3. Drill holes at least 70mm deep at each marked hole position using a 10mm dia drill masonry bit.
4. Mix a small amount of the epoxy and hardener as before and fill the new holes.
5. Remove any excess with a rag or old cloth and slide the sign dowels into the holes to secure your new Caithness flagstone sign into place. Whilst the adhesive sets, use a support or brace with a soft material between it and the sign to prevent scratching. Ensure the prop or brace is wedged securely in the ground. Leave to set for 24 hours.

Notes

- The epoxy resin glue is not supplied however this is readily available from your local building merchant or DIY shop.
- Although Caithness flagstone is very durable, it can be scratched or broken when not handled correctly. Take care not to drop the stone, do not place it face down on anything unless it is a clean and, ideally, soft surface and do not leave tools or fixings on the face of the sign. As our signs are made of natural stone, they can be heavy so, where possible, ask someone else to help install the sign. Ensure your hands are clean so as not to leave any marks on the signs surface such as if you have been handling abrasives, oils or glues.

Maintenance

The natural properties of the stone sign means it will last for years without needing anything more than a clean with warm soapy water when the sign begins to get dirty. Over time, the stone will begin to weather and the colour will change however this is a natural process and nothing to worry about.

If you do have any questions about installation or maintenance, please do contact us.



What you'll need

- Stone sign (supplied)
- Spirit level
- Electric drill
- Hammer
- Screwdriver
- Template (supplied)
- Marker or pen
- 10mm masonry drill bit
- M8 screws & wall plugs(supplied)

Instructions

1. Decide where you would like your sign to be positioned and, using the template provided and a spirit level, ensure it is horizontally level.
2. Holding the template firmly in place, mark the positions of the holes by inserting a marker or pencil.
3. Drill holes at least 60mm deep at each marked hole position using a 10mm dia drill masonry bit.
4. Using the hammer, insert the wall plugs supplied into each hole gently tapping them into place.
5. Carefully position the stone sign over the fixing holes and use a screwdriver and the screws provided to secure your new Caitness flagstone sign into place.

Notes

- Although each screw should be firmly in place, take care not to over-tighten them.
- When installing the screws, take extra care not to slip with the screwdriver as this may cause scratching on the face of the sign or personal injury. Always take extra time and never rush.
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The screws provided are graded as suitable for external use however eventually they may show signs of weathering and will begin to tarnish. We would advise that as soon as you notice this, replace the old screws with new ones to prevent any staining on the surface of the sign.

If you do have any questions about installation or maintenance, please do contact us.