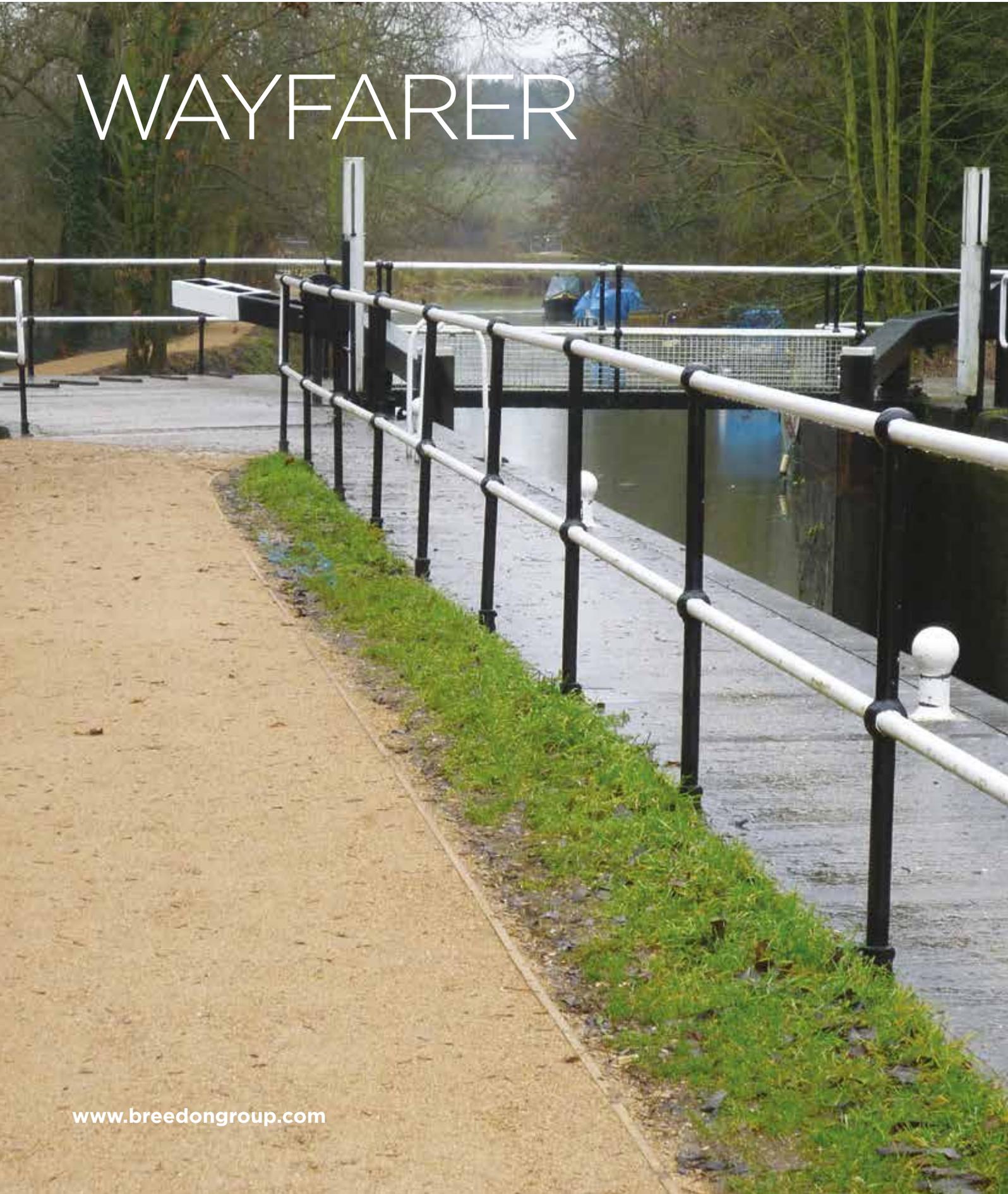




WAYFARER



BREEDON WAYFARER

ATTRACTIVE, NATURAL AND ENVIRONMENTALLY FRIENDLY WITH EXCEPTIONAL RESILIENCE.

Breedon Wayfarer offers self-setting stability with great versatility for all those dynamic leisure uses. From cycle routes to golf course footpaths and buggy parks. Wayfarer compacts to give you an attractive, natural and environmentally friendly surface that is easy to lay and easy to maintain.



APPLICATIONS

- Footpaths
- Cycleways
- Bridleways
- Golf courses
- Canal towpaths
- Leisure and recreational

LAYING INSTRUCTIONS

It is recommended that Breedon Wayfarer is laid at a finished compacted thickness of 35-40mm. The approximate coverage is 10m² per tonne.

Wayfarer is a natural material quarried from selected limestone and graded approximately 6mm to fines; the fines content being naturally occurring marl which acts as the self setting agent when the material is watered and rolled to fullest compaction in the manner described below.

Wayfarer self binding gravel is not free draining and therefore requires a cross fall or camber to shed water from its surface into adequate drainage.

Wayfarer must be laid onto a compacted quarried MOT Type 1 Sub Base clause 803. The depth of which should be of sufficient strength and stability to carry the proposed traffic (we suggest a minimum of 150mm if the ground is good) and also the area concerned should be porous enough to ensure that water is not held directly in or immediately below the Wayfarer. If a weed suppressant membrane is required, this must be installed underneath the Type 1 Sub Base and not in between the Sub Base and Wayfarer.

The Type 1 Sub Base should be laid and compacted with a roller of suitable weight, i.e. minimum 1.5 tonnes. On smaller areas a pedestrian roller may be used, however it is vital that the Wayfarer is rolled sufficiently to achieve fullest compaction prior to water rolling. The sub base should be laid with cross falls or cambers prior to the application of the Wayfarer surface course.

The Wayfarer should be spread onto the prepared foundation using a flat board or the back of a rake. Do not use the prongs of a rake as this may pull the coarse components of the gravel up to the surface. Spread the material out to a depth of no more than 60mm in order to achieve a finished compacted thickness of 40mm.

The surface must then be rolled using a roller of similar type to that used for compacting the foundation with the vibratory action of the roller switched on and the area should be continually rolled until fullest compaction is achieved. It is imperative that Wayfarer is laid to a cross fall or camber in order to shed surface water. To give some indication, an adequate fall on a pathway would be 1-55 to 1-60 or we would suggest a minimum of 1 in 40 fall for larger areas such as patios or courtyards. The same gradient should apply when installing the Type 1 Sub Base. Please ensure that adequate drainage is installed in proportion to the surface area being laid. If rainfall is not dispelled rapidly this can lead to an ingress of surface water which will prevent the hardening and binding process of the Wayfarer. After this initial laying to cambers and falls it is probable that occasional coarse areas will be evident where segregation of the Wayfarer may have occurred. At this point, fines can be sieved from the main heap of material and scattered onto these coarse areas, then re-rolled.

Once a uniform appearance has been achieved the second stage can be undertaken. This is the water rolling of Breedon Wayfarer for which the vibratory action of the roller must be switched off.

By using a water roller, water is automatically sprayed onto the drum of the roller. The fundamental aim is to have a film of water covering the whole Wayfarer surface and in some instances the water tank on the roller may be insufficient for dispelling enough water onto the drum and additional water may be required, particularly in dry, warm weather. If any gravel is sticking to the drum of the roller this indicates that there is not sufficient water being applied and to rectify this it is advisable that a hose is directed onto the drum of the roller as the material is rolled so that the drum is saturated and there is a flood of water where the drum meets the surface. Never direct a hose directly onto the gravel itself as this will wash out the necessary fines which are required for the material to bind. The object of water rolling this material is to float sufficient fines to the top surface of the Wayfarer to obtain a well-bonded finish.

If there are any lines or grooves in the gravel left by the weight of the roller, a soft wide broom

can be used to gently pass over the surface whilst still wet - this will remove any lines and leave a perfect surface finish.

The area should then be allowed to dry out before being opened up to general use, the length of time to allow is dependant on weather conditions, but this can take up to 2 weeks or more. *Please note that materials should never be laid in frozen conditions.*

Because Wayfarer depends entirely on its own binding properties for its stability, it is not practical to lay this material on steep slopes where the angle of fall is steeper than a 1 in 15 gradient. Long continuous fall over sloping ground can be minimised by the formation of deep steps to reduce the risk of ruts occurring through the action of flowing storm water.

On completion, the appearance of Wayfarer Gravel is a very smooth and even finish but over time with weathering and trafficking the surface will scarify, giving a loose dressing of chippings on the surface whilst maintaining a solid base. Should a lasting smooth appearance be required, the loose chippings can be swept from the surface using a soft broom. However, the surface will naturally scarify with use, therefore the sweeping process would need to be repeated when necessary.

Should maintenance work be required it is advisable, in the case of pot holes occurring, to cut out affected areas to a neat edge down to the Sub Base and replace completely with new Wayfarer gravel.

In the event of resurfacing at a later date, the top of the gravel surface should be scarified with a rake to a depth of approximately 25 to 35mm whilst taking care to protect the integrity of the type 1 sub base layer beneath. The loose material discarded and a new layer of Wayfarer laid, rolled and water rolled in accordance with our laying procedure described above.

Individual requirements can be discussed in detail with our sales team.

BREEDON WAYFARER MAINTENANCE PLAN

Breedon Wayfarer is a natural limestone and it is important that occasional maintenance is carried out as required to ensure the performance and looks are maintained.

POTHoles

There are 2 basic reasons why potholes may occur - either due to surface damage or if surface water cannot drain away due to lack of cambers or cross falls.

Repairs should be carried out as soon as a pot hole appears. Cut out a neat square around the pot hole and remove all material in that square down to the Type 1 sub-base. Fill the area with new Wayfarer gravel and compact using wacker plate or roller in accordance with our laying instructions.

RE-SURFACING

In the event of resurfacing at a later date, use a rake to scarify the top surface down to an approximate depth of between 25-35mm, whilst taking care to protect the integrity of the type 1 sub-base layer beneath. This may need some effort if the material has been down for a long period of time. Once the surface has been loosened, discard the loose debris then a new layer of Wayfarer gravel should be laid, rolled and water rolled in accordance with our laying instructions.

WEED GROWTH

Should any weed growth occur, spray the area with a water based weedkiller. Never pull the weeds up out of the gravel, this will loosen the bonded surface.

Areas constantly shaded or only ever lightly used may be susceptible to moss, for these areas use a water based weedkiller or moss remover and apply this to the affected area when dry (and no rain expected for a few days) using either a watering can with a rose, a sprayer, a roller or a soft brush. This should take a few days to start working, then use a light rake to loosen the moss and sweep away, however take care not to put too much pressure on the surface and loosen up the bonded gravel itself.

DRAINAGE

Always ensure that drains and gullies are kept free of debris to allow free draining of any surface water.

WINTER MAINTENANCE

For best results, ensure that the autumn leaves are removed from the surface by using a blower or a vacuum. Alternatively a very soft broom can be used to gently sweep off the surface leaves. Never use a coarse hard brush.

SURFACE APPEARANCE

Wayfarer gravel scarifies with use to leave a fine dressing of surface chippings, however as a matter of personal choice, these chippings can be swept from the surface using a very soft broom to leave a smoother finish, however this process will need to be repeated as the surface will naturally scarify with use.

HEALTH AND SAFETY

Product

Crushed limestone aggregate.

Application

Crushed limestone is used as a basic construction material and as a component in other materials such as concrete, mortar, asphalt and coated roadstone.

Precautions

The products are not considered hazardous. Inhalation of any dust should be avoided. Dust masks to BS 2091 Type B, or their equivalent, should be worn in enclosed spaces where handling or further processing is taking place and where adequate ventilation is not provided.

Physical and chemical characteristics

This limestone consists primarily of calcium and magnesium carbonates.

Protective clothing

No protective clothing is required.

PH value

The pH value of Breedon limestone is 8.5.

Transportation, storage and disposal

The carriage of aggregates is not subject to hazardous substance conveyance regulations and vehicle labelling is not required. Aggregates are inert but should be disposed of in accordance with local legal requirements.

This brochure is provided for general guidance only and may contain information which could be inappropriate under particular conditions of application use. In keeping with our policy of continual product development, Breedon Southern Limited reserve the right to alter any specification shown. All information is correct at time of print. Liability in respect of any statement conditions, warranties and representations made on behalf of the company are limited to the standard conditions of sale which are available on request.

TO DISCUSS YOUR INDIVIDUAL REQUIREMENTS PLEASE CONTACT:

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