

SELF BINDA Gravel – Product Information and Laying Guide

SELF BINDA Gravel is a natural quarried limestone which is carefully processed and graded to approximately 16mm to fines. Due to the natural properties of the selected limestone, the fines act as the binding agent when watered and compacted as described below, forming a natural self binding surface.

Laying Instructions

It is recommended that **SELF BINDA Gravel** is laid at minimum compacted depth of 50mm for pedestrian traffic and 75mm for vehicular traffic. The approximate bulk density when compacted is 2 tonnes per cubic metre.

SELF BINDA Gravel should be laid on a porous sub base material such as MOT Type 1. The depth of the foundation material should be of sufficient strength and stability to carry the proposed traffic and porous enough to ensure that water is not held directly in or below the **SELF BINDA Gravel**.

It is vital that the foundation is compacted sufficiently to achieve maximum compaction. The **SELF BINDA Gravel** should be spread evenly on the compacted foundation with a solid lute to keep the fines on the surface to give a tight, bonded finish. It must then be compacted using a roller of similar type as used for the foundation layer with a vibratory action and compacted to maximum compaction. Extra water may be required, depending on the gravel's moisture to obtain a well bonded finish. Water should be added as a fine spray or directly onto the roller. Do not over water.

SELF BINDA Gravel must be laid to falls or cambers to shed surface water. An adequate fall would be 1-55 to 1-60. To avoid ruts occurring through the action of flowing water, it is best not to lay **SELF BINDA Gravel** on steep slopes where the angle of fall is greater than 1 in 15. Steep slopes can be terraced or **SELF BINDA Gravel** can be mixed with white cement to a ratio of 1 part cement 6 parts gravel and compacted in the normal fashion. Do not add extra water unless absolutely necessary and take care not to over water. Once a uniform appearance has been achieved and has been sufficiently compacted (watered if necessary) this should then be allowed to settle and dry out before being used.

Maintenance Guide Plan

- (A) Over time with weathering and trafficking the surface on the **SELF BINDA Gravel** may segregate, giving a loose dressing of chippings on the surface whilst maintaining a solid base. To maintain a smooth appearance the loose chippings can be swept away with a soft brush from the surface.
(Appearance to personal choice)
- (B) Ensure drainage areas are kept free to ensure drainage of surface water including drains and gutters.
- (C) Potholes that may occur due to damage should be repaired by cutting out affected areas to a straight edge down to the Sub base. Then replace with fresh **SELF BINDA Gravel**.
- (D) To resurface **SELF BINDA Gravel**, the top of the surface should be scarified to a depth of 25mm and the loose material discarded. A fresh layer of **SELF BINDA Gravel** should then be laid and compacted in accordance with the laying guide.
- (E) Remove leaves etc with a blower or sweep with a soft brush. Avoid mechanical or heavy sweeping.
- (F) If weed growth occurs, treat with water based weed killer. Avoid lifting weeds until terminated as this will discard the compacted surface.