



OSTO[®] FAQs

Contents

- 1. What is the carbon saving when using OSTO?**
- 2. Where does the carbon saving come from?**
- 3. What is OSTO made from?**
- 4. What colour is OSTO?**
- 5. How do I use OSTO?**
- 6. What density is OSTO?**
- 7. Is there any technical data available for OSTO?**

OSTO FAQs

1. What is the carbon saving when using OSTO?

For 1kg OSTO an equivalent of 0.86 kg CO₂e is saved.

2. Where does the carbon saving come from?

It has 3 main environmental benefits:

OSTO is made from waste – the waste material used in the production of OSTO is unrecyclable and is currently disposed of by incineration, releasing large volumes of greenhouse gases into the atmosphere. By using this waste in OSTO, these emissions are avoided, whilst giving the material a new use.

It permanently stores carbon dioxide – OSTO reacts with carbon dioxide from the atmosphere, permanently storing it in the aggregate.

It limits the use of traditional lightweight aggregates (LWAs) that can be carbon-intensive.

3. What is OSTO made from?

The composition of OSTO is patent protected and not widely shared, though it comprises a variety of waste materials and by-products.

4. What colour is OSTO?

Standard OSTO is a slightly yellow shade of gray. We also offer 3 additional colour shades as part of our OSTO – Colour Range. These are black, red and yellow. Please contact Specialist Aggregates using their available contact information for more details on OSTO Colour Range.

5. How do I use OSTO?

OSTO is intended for use in achieving carbon targets, by substituting traditional aggregates in your chosen application for OSTO. A typical addition level for construction materials is around 3-15%, but this level should be optimised through an appropriate testing program to ensure the desired material properties are still achieved. For unbound applications, it should be confirmed whether OSTO complies with relevant environmental requirements prior to use.

6. What density is OSTO?

The typical particle density of OSTO is 1,600 kg/m³, and the bulk density is 750 kg/m³. For bound applications, a substitution for standard gravel of 1kg gravel for 0.6kg OSTO will give approximately the same volume of mix.

7. Is there any technical data available for OSTO?

Yes; please refer to OSTO datasheet for further technical information on OSTO or contact LCM on the email address below.