



**B R I T I S H  
A S S O C I A T I O N  
O F  
R E I N F O R C E M E N T**

**INFORMATION NOTE: ECO MESH  
BRITISH ASSOCIATION OF REINFORCEMENT INFORMATION NOTE: OCTOBER 2022**

**Eco mesh: Not all mesh is the same**

Eco mesh was originally developed by UK fabricator Rom Ltd. It offers an increased efficiency engineered solution for reinforced concrete floors by saving a reinforcement wire on each lap of the mesh sheet.

The success of eco mesh saw other companies copying and providing similar mesh products. However, not all mesh is the same. Users of eco mesh should be aware that it is not the same as standard mesh and may not be appropriate for all reinforced concrete flooring applications.

Eco mesh has the same centres as standard fabric mesh with the exception of the external overhangs which are 200mm compared to 100mm, for A meshes and 250mm compared with 50mm for B meshes. It should be noted that B mesh should be classed as a special/detail mesh rather than a standard product and is not advised for structural applications.

The difference in overhang between Eco mesh and A and B meshes has project implications.

For example, if a standard mesh sheet is at the slab edge with 50mm cover the distance from the edge to the first wire would be 150mm. If an Eco mesh sheet is used, then the distance between the edge and the first wire would be 250mm.

This may be an issue for long-strip construction. Furthermore, if the customer has not been explicitly informed that he has Eco mesh (standard and eco mesh look similar) and laps this in the same way as standard mesh then they will lose 200mm on every lap leaving the mesh short at the end of the job.

The standard BS 4483 is being reviewed and changed to ensure that mesh products are clearly labelled as being standard or Eco. The new standard will be available in 2023. Until then, it is strongly recommended that:

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**Suppliers must clearly state whether the mesh is standard or Eco.**

**Customer should ensure that they receive the right mesh for the job. Eco mesh is not the same as standard mesh.**

**Stockists are advised to stock standard sheets and view Eco mesh as a special, not standard, mesh.**

**Remember: Not all mesh is the same.**

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