



UK Certification Authority for Reinforcing Steels

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CARES sustainable reinforcing steel scheme targets

The rapidly increasing demand for greener buildings and infrastructure provides both challenges and opportunities in relation to the structural materials used, especially reinforcing steel. Accurate, accessible and timely information on the environmental and social impact of using different materials is increasingly desired by designers, contractors and procurers. Building assessment methodologies award credits based on the environmental impact of materials and for materials responsibly sourced aiming to encourage the use of materials with lower environmental impacts over their lifecycle and to recognize and encourage the specification of responsibly sourced structural materials. The CARES sustainable reinforcing steel scheme has been established to independently report sector performance levels against a number of key performance indicators and to set challenging and deliverable targets for the future. The key targets for the CARES sustainable reinforcing steel sector scheme for 2015 are described in the Table below.

Key Performance Indicator	Target
Sector average calculated Carbon Footprint for reinforcing steel bar (kgCO _{2e} /tons)	Reduce by 2.5 %
Sector average calculated materials efficiency	Increase by 2.5 %
Steel production, raw material suppliers, Scrap, Management System Approvals to ISO 9001 [Reinforcing steel producers]	Increase by 10 %
Steel production, raw material suppliers, Scrap, Management System Approvals to ISO 14001 [Reinforcing steel producers]	Increase by 10 %
Sector average water consumption per tonne of reinforcing steel bar (m ³ /tonne)	Reduce by 5 %
Sector average quantity of waste recycled per tonne of finished product (kg per tonne of rolled steel billet) [Reinforcing steel producers]	Increase by 5 %
Number of companies who take measures to enhance the biodiversity of the site	Increase by 5 %
Number of companies who have a policy in place to increase engagement with community stakeholders	Increase by 5 %
Number of companies who have OHSAS 18001 H&S Management System Certification	Increase by 10 %

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Sector average number of training hours per employee	Increase by 5 %
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N.B. The benchmark year for performance measurement against the above targets shall be 2011.