

D-PURE+

Heavy plate with reduced carbon footprint

Specification DH-E86-B, November 2025

D-PURE+ labelled heavy plates from Dillinger have a reduced carbon footprint. The steel production process for heavy plates of this brand achieves a reduction in the Product Carbon Footprint (PCF) of around half or less compared with the traditional route via blast furnace and LD steel plant. The maximum PCF-value (Scope 1-3) guaranteed for the specific order is stated in the certificate and is in any case max. 1200 kg CO₂e / 1000 kg heavy plate.

The CO₂ emissions caused by the entire heavy plate production are calculated in accordance with DIN EN ISO 14064-3 of the Greenhouse Gas Protocol and DIN EN ISO 14067 or equivalent regulations.

Production route

D-PURE+ is rolled using raw material from CO₂-reduced production.

One source of the raw material is the Electric Arc Furnace EAF at Saarschmiede open-die forge in Völklingen, which smelts the ingots used. Rolling, heat treatment and testing are carried out at Dillinger. Slabs from EAFs of other origin can also be used for heavy plate **D-PURE+**.

Product labelling

Designation and scope

The label **D-PURE+** is used as a supplement to a standard grade or a Dillinger product brand in addition to the usual information in the certificate.

The PCF of heavy plates produced as **D-PURE+** is reported as follows:

The PCF for heavy plate rolled from ingots from the Saarschmiede has been published in a verification and validation report prepared by Pro Terra. The information on CO₂ emissions can be reviewed online www.dillinger.de.

For slabs from other sources, the relevant documentation will be provided when the order is placed.

Delivery condition

Heat treatment condition in accordance with the grade to be supplied.

Marking

Unless otherwise agreed, marking shall be made out by steel stamping with at least the following information:

- Steel grade or product brand from Dillinger, added by **D-PURE+**
- Heat number
- Plate number
- Manufacturer's mark
- Acceptance inspector's mark
- The inspection certificate in PDF format is issued on a green background

Contact

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