

## ECLA EUROPEAN CLASSIFICATION

### C23D ENAMELLING OF, OR APPLYING A VITREOUS LAYER TO, METALS (chemical composition of the enamels C03C)

**C23D1/00** Melting or fritting the enamels; Apparatus or furnaces therefor

C23D1/02 . Granulating the melt; Drying the granules

**Guide heading:** Coating with the enamels

**C23D3/00** Chemical treatment of the metal surfaces prior to coating (cleaning and de-greasing of metallic objects [C23G](#))

**C23D5/00** Coating with enamels or vitreous layers [N: (including applying fused refractory layers [C23C4/10](#), [C23C24/10](#))]

C23D5/00B . [N: by a method specially adapted for coating special objects]

C23D5/02 . by wet methods

C23D5/04 . by dry methods

C23D5/06 . producing designs or letters

C23D5/08 . Applying enamels non-uniformly over the surface

C23D5/10 . with refractory materials [[C0409](#)]

[N: **Note**  
[[C0409](#)] Group [C23D5/10](#) is no longer used for classification. Documents are in the state of being reclassified to [C23C4/10](#) and [C23C24/10](#).  
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**C23D7/00** Treating the coatings, e.g. drying before burning

**Guide heading:** Firing the enamels

**C23D9/00** Ovens specially adapted for firing enamels

C23D9/02 . Non-electric muffle furnaces

C23D9/04 . Non-electric tunnel ovens

C23D9/06 . Electric furnaces

C23D9/08 . Supporting devices for burning-bars

C23D9/10 . Loading or unloading devices

**C23D11/00 Continuous processes; Apparatus therefor**

**Guide heading: After-treatment**

**C23D13/00 After-treatment of the enamelled articles**

C23D13/02 . Removing defects by local re-melting of the enamel; Adjusting the shape

**C23D15/00 Joining enamelled articles to other enamelled articles by processes involving an enamelling step**

**C23D17/00 De-enamelling**