



# SLOVENSKI STANDARD

## SIST EN 15520:2024

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Nadomešča:  
SIST EN 15520:2007

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### Vročje brizganje - Priporočila za konstrukcijsko oblikovanje komponent s prevlekami, nanesenimi z vročim brizganjem

Thermal spraying - Recommendations for constructional design of components with thermally sprayed coatings

Thermisches Spritzen - Empfehlungen zum konstruktiven Gestalten von Bauteilen mit thermisch gespritzten Schichten

Projection thermique - Recommandations relatives à la conception des éléments de construction comportant un revêtement déposé par projection thermique

Ta slovenski standard je istoveten z: **EN 15520:2024**

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#### **ICS:**

25.220.20      Površinska obdelava      Surface treatment

**SIST EN 15520:2024**      en,fr,de



EUROPEAN STANDARD

EN 15520

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2024

ICS 25.220.20

Supersedes EN 15520:2007

English Version

## Thermal spraying - Recommendations for constructional design of components with thermally sprayed coatings

Projection thermique - Recommandations relatives à la conception des éléments de construction comportant un revêtement déposé par projection thermique

Thermisches Spritzen - Empfehlungen zum konstruktiven Gestalten von Bauteilen mit thermisch gespritzten Schichten

This European Standard was approved by CEN on 17 June 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

This document (EN 15520:2024) has been prepared by Technical Committee CEN/TC 240 “Thermal spraying and thermally sprayed coatings”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025 month year of DOW.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15520:2007.

EN 15520:2024 includes the following significant technical changes with respect to EN 15520:2007:

- normative references and bibliography updated;
- document editorially revised;
- Figures 2, 3 and 7 (now 8) revised and improved;
- new Figure 7 (*Examples for technology to avoid sharp edges at coating run-out*) added.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

**EN 15520:2024 (E)****Introduction**

Thermal spraying is applied to improve the surface properties of work pieces in order to increase the wear resistance, the electrical conductivity or the electrical resistance, to achieve corrosion resistance for the pertinent service conditions, to improve sliding behaviour or, to provide heat insulation. Recommendations for thermal spraying are contained in EN ISO 12679.

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