

**SLOVENSKI STANDARD**  
**kSIST-TS FprCEN ISO/TS 19392-5:2024**  
**01-april-2024**

---

**Barve in laki - Premazni sistemi za lopatice rotorjev vetrnih turbin - 5. del: Merjenje transmitance zaščitnih premazov proti UV svetlobi (ISO/TS 19392-5:2023)**

Paints and varnishes - Coating systems for wind-turbine rotor blades - Part 5:  
Measurement of transmittance properties of UV protective coatings (ISO/TS 19392-5:2023)

Beschichtungsstoffe - Beschichtungssysteme für Rotorblätter von Windenergieanlagen -  
Teil 5: Messung der Transmissionseigenschaften von UV-Schutzbeschichtungen  
(ISO/TS 19392-5:2023)

Matériaux de revêtement pour pales de turbines éoliennes - Partie 5: Mesurage des propriétés du facteur de transmission des revêtements de protection anti UV (ISO/TS 19392-5:2023)

[kSIST-TS FprCEN ISO/TS 19392-5:2024](#)

<https://standards.iteh.ai/catalog/standards/sist/1e14bf12-f93d-496c-bcb5-430b90d34354/ksist-ts-fprcen-iso-ts-19392-5-2024>

**Ta slovenski standard je istoveten z:** **FprCEN ISO/TS 19392-5**

---

**ICS:**

87.040 Barve in laki Paints and varnishes

**kSIST-TS FprCEN ISO/TS 19392-5:2024 en,fr,de**



# TECHNICAL SPECIFICATION

ISO/TS  
**19392-5**

First edition  
2023-03

---

---

## **Paints and varnishes — Coating systems for wind-turbine rotor blades —**

### **Part 5: Measurement of transmittance properties of UV protective coatings**

*Matériaux de revêtement pour pales de turbines éoliennes —  
Partie 5: Mesurage des propriétés du facteur de transmission des revêtements de protection anti UV*  
**(<https://standards.itech.ai>)**  
**Document Preview**

[ksIST-TS FprCEN ISO/TS 19392-5:2024](https://standards.itech.ai/catalog/standards/sist/1e14bf12-f93d-496c-bcb5-430b90d34354/ksist-ts-fprcen-iso-ts-19392-5-2024)

Reference number  
ISO/TS 19392-5:2023(E)



© ISO 2023

## ISO/TS 19392-5:2023(E)

# iTeh Standards (<https://standards.iteh.ai>) Document Preview

[kSIST-TS FprCEN ISO/TS 19392-5:2024](#)

<https://standards.iteh.ai/catalog/standards/sist/1e14bf12-f93d-496c-bcb5-430b90d34354/ksist-ts-fprcen-iso-ts-19392-5-2024>



### COPYRIGHT PROTECTED DOCUMENT

© ISO 2023

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## Contents

	Page
<b>Foreword</b>	<b>iv</b>
<b>Introduction</b>	<b>v</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Terms and definitions</b>	<b>1</b>
<b>4 Principle</b>	<b>2</b>
<b>5 Apparatus and materials</b>	<b>2</b>
5.1 Film applicator for coating material	2
5.2 Substrate for free coating film preparation	2
5.2.1 Preparation of free film and test specimen	2
5.2.2 Coating application	3
5.3 Film thickness measurement	3
5.4 UV/VIS spectrophotometer	3
5.5 Long pass specification for check	4
<b>6 Test procedure</b>	<b>4</b>
6.1 Test procedure with spectrophotometer	4
6.2 Check of spectrophotometer with long pass filter	5
6.3 Spectral transmittance of the specimen (film)	6
6.4 Calculation of transmittance	6
<b>7 Precision</b>	<b>6</b>
<b>8 Test report</b>	<b>6</b>
<b>Annex A (normative) Check of the spectral transmittance of the long pass filter</b>	<b>8</b>
<b>Annex B (informative) Application and evaluation references</b>	<b>9</b>
<b>Bibliography</b>	<b>11</b>

kSIST-TS FprCEN ISO/TS 19392-5:2024

https://standards.itech.ai/catalog/standards/sist/1e14bf12-f93d-496c-bcb5-430b90d34354/ksist-ts-fprcen-iso-ts-19392-5-2024

## ISO/TS 19392-5:2023(E)

### Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

A list of all parts in the ISO/TS 19392 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

<https://standards.itech.ai/catalog/standards/sist/1e14bf12-f93d-496c-bcb5-430b90d34354/ksist-ts-fprcen-iso-ts-19392-5-2024>