



BSI Standards Publication

Paints and varnishes - Coating systems for wind-turbine rotor blades

Part 3: Determination and evaluation of resistance to rain erosion using water jet

National foreword

This Published Document is the UK implementation of ISO/TS 19392-3:2018.

The UK participation in its preparation was entrusted to Technical Committee STI/10, Test methods for paints.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2018
Published by BSI Standards Limited 2018

ISBN 978 0 580 98729 8

ICS 87.040

Compliance with a British Standard cannot confer immunity from legal obligations.

This Published Document was published under the authority of the Standards Policy and Strategy Committee on 31 May 2018.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

TECHNICAL SPECIFICATION

ISO/TS 19392-3

First edition
2018-04-30

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

Part 3: Determination and evaluation of resistance to rain erosion using water jet

*Peintures et vernis — Matériaux de revêtement pour pales de
turbines éoliennes —*

*Partie 3: Détermination et évaluation de la résistance à l'érosion
causée par la pluie au moyen d'un jet d'eau*



Reference number
ISO/TS 19392-3:2018(E)

© ISO 2018



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018, Published in Switzerland

All rights reserved. Unless otherwise specified, 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
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Principle	2
5 Apparatus	2
6 Sampling	4
7 Test panels	4
7.1 Substrate	4
7.2 Preparation	4
7.3 Conditioning	4
7.4 Thickness of coating	4
8 Procedure	4
8.1 Number of determinations	4
8.2 Examination before exposure	5
8.3 Calibration	5
8.4 Exposure to simulation of rain erosion	5
8.5 Interrupted water jet on fixed panel (PJET)	6
8.6 Continuous water jet on moving panel (vertical rotation axis)	7
8.7 Continuous water jet on moving panel (horizontal rotation axis)	7
8.8 Examination after exposure	8
9 Evaluation	8
10 Precision	8
11 Test report	8
Annex A (normative) Details of test methods	10
Bibliography	12