

Material Passport

Wind turbine Blade

model: V47

manufacturer: Vestas

I_ INTRODUCTION

Purpose/Scope

This Material Passport document provides information to support end-of-life treatment of wind turbine blades. The Material Passport is intended for use by those who are active in disposal of end-of-life blades.

In addition to the information given in this Material Passport, please note that the blades contain detailed confidential information

that is sensitive to the manufacturer and which you will get insight into in connection with the decommissioning of the blades. We kindly request you do not disclose any information not already stated in this Material Passport to any third party unless such third party has a need to know the information in connection with the decommissioning of the blades.

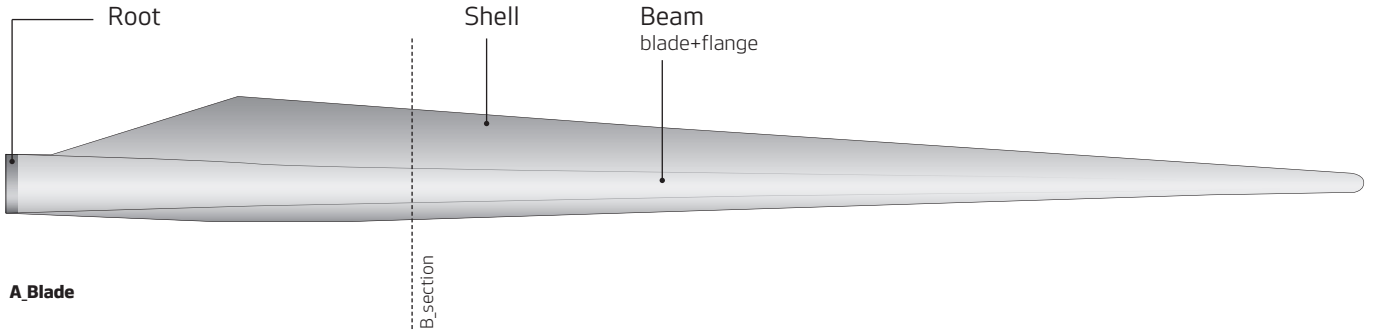
II_ BLADE DIMENSIONS

General data

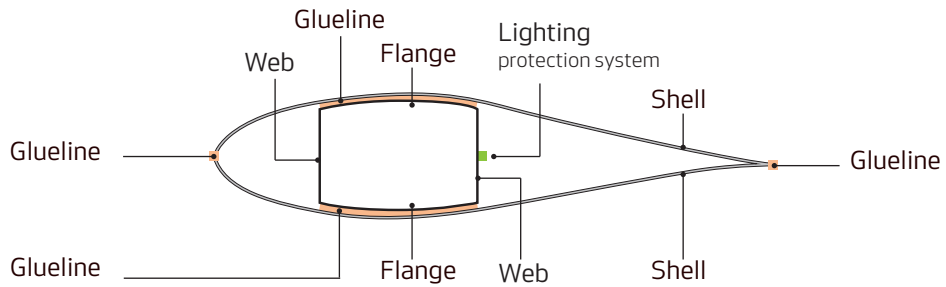
Blade Mass	1218 kg
Blade Length	22900 mm
Root Diameter	990 mm
Max Chord	2088 mm
Max Thickness	<100 mm (root section)

III_BLADE DESIGN

Components



A_Blade



B_section

IV_BLADE MATERIALS

Material	Blade part refer to diagram	Mass %
Glasfiber	Blade shells, Beam, root section	61
Epoxy resin	Blade shells, Beam, root section	21
PVC foam	Blade shells, Web	4
PUR adhesive	Leading edge, trailing edge, beam to blade shell	6
Aluminum	Root section, lightning protection system	4
Epoxy gelcoat	Outer surfaces	3