

Product Disposal Specifications

Wind Turbine Blade Model: B45

Manufacturer: Siemens Gamesa Renewable Energy

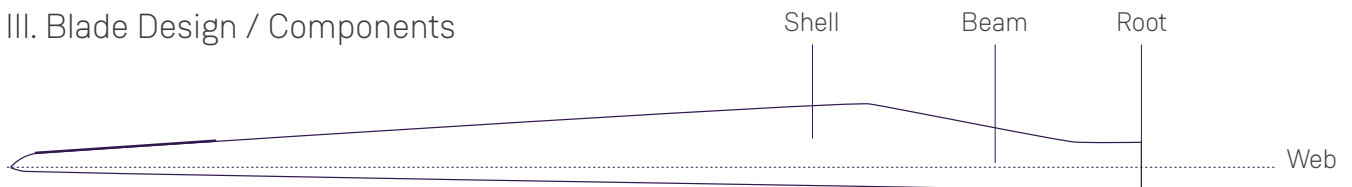
I. Introduction (Purpose / Scope)

This Product Disposal Specifications (PDS) document provides information to support end-of-life treatment of wind turbine blades. The PDS document is intended for use by those who are active in disposal of end-of-life blades. In addition to the information given in this PDS, 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 not to disclose any information not already stated in this PDS to any third part unless such third part has a need to know the information in connection the decommissioning of the blades.

II. Blade Dimensions (General Data)

Blade Mass	8900 kg
Blade Length	45000 mm
Root Diameter	1950 mm
Max Chord	3350 mm
Max Thickness	< 100 mm (root section)

III. Blade Design / Components



IV. Blade Materials

Material (example categories below)	Blade part (refer to diagram)	Mass (%)
Glass fiber	Blade shells, webs, root section	55
Epoxy resin	Blade shells, webs, root section	35
PUR foam	Blade shell	1
Balsa wood	Blade shells	3
Plywood	Web	2
Aluminum	Lightning conductors	1
Steel	Root end - inserts	2
Coating (Epoxy and PU)	Outer surface	1