

General product information

Manufacturer	dormakaba International Holding GmbH DORMA Platz 1 58256 Ennepetal Germany Mail: info.de@dormakaba.com Web: www.dormakaba.com
	
Product	TS 93 G-N
Contact information	dormakaba Deutschland GmbH DORMA Platz 1 58256 Ennepetal
Issue date	15.04.2024
SuPIM declaration number	SuPIM-4145
Country/city of production	Singapore 618303 Singapore
Useful life in years	20 (Other document )
Product description	The TS 93 series comprises a modular system that meets practically every conceivable functional requirement by easily combining the available door closer models and various slide rails. It enables doors to be optimally equipped for a wide range of applications and in a wide variety of designs. The backcheck feature ensures the safe deceleration and restraint of a door which has been flung open or caught by a gust of wind. This effectively reduces the risk of the door and wall being damaged. The strongly decreasing opening torque makes it easy to enter the door, slowing the closing cycle between 120° and 70°(approx. values for pull-side door leaf fixing). The standard closing delay enables, for example, greater accessibility and easy transport of objects, which is ideal for people with luggage, hospital beds, etc. The G-N slide channel assembly is non-handed and can be combined with all door closer models.
Main ingredients	The major material composition including the packaging is listed below: Steel 35%, grey cast iron 35%, aluminium 15%, paper and cardboard 6%, zinc die cast 3%, wood 2%, others 2%, paint 1%, plastics and rubber 1%.
Assigned EPD	TS 93 Gleitschienen-Türschließersystem EN 2-5
EPD declaration number	EPD-DOR-20130121-IBC21-DE
Type of EPD	Specific EPD

Declarations, documentation and labels

Declaration type	Designation	Proof/Link
Corporate Sustainability Report	CSR (Corporate Sustainability Report)	Web link 
Environmental product declaration	EPD (Environmental Product Declaration)	Environmental Product Declaration (EPD) *
Health Product Declaration	HPD (Health Product Declaration)	Web link 
Manufacturers information	Certified Environmental Management System (EMS): Metals (steel, aluminium etc.)	Manufacturer declaration 
Manufacturer's notification	Certified Energy Management System	Manufacturer declaration 
Manufacturer's notification	Certified Occupational Health and Safety Management System	Manufacturer declaration 
Manufacturer's notification	Certified Quality Management System	Manufacturer declaration 
Manufacturer's notification	Recycled Content	Manufacturer declaration 

* Documentary proof can be requested from the manufacturer.

Resources, recovery and disposal

	Details	Proof
Use of resources	Use of secondary raw materials	Other document 
Recycling and disposal	Material recovery	Other document 
	Energy recovery	Other document 

European Waste Codes

Transport packaging	15 01 01, 15 01 02
Product packaging	15 01 01, 15 01 02
Product: production and installation	15 01 01
Product: end-of-life	17 04 02, 17 04 05

Certification system: DGNB New Construction (2018)

Life cycle assessment of the building (DGNB criterion ENV 1.1)

Environmental impacts of the product: see EPD (EPD-DOR-20130121-IBC21-DE)

Environmental Product Declaration (EPD) *

* Documentary proof can be requested from the manufacturer.

Deconstruction and recyclability (DGNB criterion TEC 1.6)

Ways of recycling and disposal	Quality level	Proof
Material recovery	Qualitätsstufe: QS 2	Other document 
Energy recovery	Qualitätsstufe: QS 1	Other document 

Certification system: BNB Buildings (2015)

Environmental impacts/Life Cycle Analysis (BNB criteria 1.1.1 - 1.1.5)

Environmental impacts of the product: see EPD (EPD-DOR-20130121-IBC21-DE)

Environmental Product Declaration (EPD) *

* Documentary proof can be requested from the manufacturer.

Primary energy requirement (BNB criterion 1.2.1)

Primary energy requirement of the product: see EPD (EPD-DOR-20130121-IBC21-DE)

Environmental Product Declaration (EPD) *

* Documentary proof can be requested from the manufacturer.

Certification system: LEED BD+C (v4)

Type of declaration / Application area	Declarations	Value / proof	LEED credit
Health Product Declaration	HPD	Web link 	MR: Building product disclosure and optimization - material ingredients
Environmental product declaration	EPD	Environmental Product Declaration (EPD) *	MR: Building product disclosure and optimization - environmental product declarations
Corporate Sustainability Report	CSR	Web link 	MR: Building product disclosure and optimization - sourcing of raw materials
Product declarations	Recycled content pre-consumer (weight)	38 % (weight) Manufacturer declaration 	MR: Building product disclosure and optimization - sourcing of raw materials
Product declarations	Recycled content post-consumer (weight)	11 % (weight) Manufacturer declaration 	MR: Building product disclosure and optimization - sourcing of raw materials

MR certificate: Materials and Resources, EQ certificate: Indoor Environmental Quality, SS certificate: Sustainable Sites

* Documentary proof can be requested from the manufacturer.

Certification system: BREEAM International New Construction 2016 / BREEAM DE Neubau 2018**Environmental impacts material (Mat 01)**

Certified environmental product declaration compliant to ISO 14025 and also EN 15804 or ISO 21930:

see EPD (EPD-DOR-20130121-IBC21-DE)

Environmental Product Declaration (EPD) *

* Documentary proof can be requested from the manufacturer.

Responsible material procurement (Mat 03)

Declaration type	Designation	Proof/Link
Manufacturers information	Certified Environmental Management System (EMS): Metals (steel, aluminium etc.)	Manufacturer declaration 

Documentary proofs not available as a download link in this document can be requested from the manufacturer.

Disclaimer

The conformity of the manufacturer's declaration with the underlying information and evidence has been verified by the IBU. The manufacturer is liable for the correctness of the given data and documents.