DRASUTEN

ENVIRONMENTAL PRODUCT DECLARATION

COMPANY INFORMATION: REC Indovent AB

info@rec-indovent.se
www.rec-indovent.se
Quality certified ISO 9001:2015
Environmental certified ISO 14001:2015

Following data concerns Drasuten with length 1,0 m, in extended state, and inner diameter of 160 mm.

1. PRODUCT DESCRIPTION

Drasuten is an extensible connecting duct with metal sleeves.
For recommended range of application we refer to the product catalogue.
Compact has Type Approval Certificate no 3439/83.

2. DECLARATION OF CONTENTS

Drasuten is made of corrugated, seamed aluminium band and is fitted with a metal sleeve at both ends.
The product does not contain substances that are included in the Priority guide PRIO from Swedish National Chemical Inspectorate.

3. INPUT MATERIALS

Material:	weight-%	weight(kg)
Aluminium	62,7	0,30
Steel	37,3	0,17

The data below is based on 0 % recycling level of the aluminium.

Energy consumption during material production:

Material:	MJ/Drasut
Aluminium	61,41
Steel	5,27
Total:	66,67

Emissions to water during material production (expressed as g/Drasut):

Chloride (Cl^-)	17,35
Sulphuric acid (H_2SO_4)	10,20
Suspended particles	1,46
Organic carbon (including oil + grease)	0,35
COD	0,14

Emissions to air during material production (expressed as g/Drasuten):

Carbon dioxide (CO_2)	3924,40
Carbon monoxide (CO)	28,80
Sulphur oxides (SO_x)	22,73
Dust	8,71
Methane (CH_4)	6,70
Nitrogen oxides (NO_x)	3,81

4. PRODUCTION

Energy consumption during production phase:
Estimated to 3,5 MJ/Drasut

Emissions to water: Does not exist
Emissions to air: Negligible

Production waste (rest products):
2 % of used material per product form production waste. The waste is recycled.

5. DISTRIBUTION OF FINAL PRODUCT

Packing materials: Corrugated cardboard.
The packing material can be recycled and then re-used, producing either new material or energy.

REC Indovent is affiliated with REPA (Return system for packing material)

Transportation:
Way of transportation: Truck
Fuel: Diesel, Swedish Environmental Class 1 (0,001 % sulphur)

Estimated emissions due to transportation (expressed as g/Drasut):

Carbon dioxide (CO_2)	62,7
Nitrogen oxides (NO_x)	0,5
Carbon monoxide (CO)	0,06
Hydrocarbons (HC)	0,03
Particles (PM)	$8,3*10^{-3}$

6. USING PHASE

The product is emission free during use.

7. DISPOSED PRODUCT

The disposed product does not contain environmentally hazardous waste.
Materials that are parts of the disposed product should be separated in order to enable re-use alternatively recycling.

8. ENVIRONMENTAL IMPACT

Environmental impact that the largest emissions are associated with:

Chloride	No environmental effect
Sulphuric acid	Acidification
Carbon dioxide	Greenhouse effect
Carbon monoxide	Deterioration of absorption of oxygen of the blood
Sulphur oxides	Acidification
Methane	Greenhouse effect
Nitrogen oxides	Ground level ozone, acidification, nutrification

9. OTHER INFORMATION

Characterization factors according to SS-EN15804. Calculated according to the standard SS-EN 15978. TYPE II - ISO 14025

Characterization factors:			
	GWP	(Global Warming Potential [CO_2-equivalent])	4757,80
	AP	(Acidification Potential [H^+/g])	2,81
	POCP	(Photochemical Ozone Creation Potential [ethene-equivalent])	1,12
	NP	(Nutrification Potential [g O_2/g])	26,40
	HT	(Human Toxicity potential)	30,99