

# Environmental Product Declaration

according to ISO 14025 and EN 15804



This declaration is for:  
**Interzinc 52**

Provided by:  
**AkzoNobel**



program operator  
**Stichting MRPI®**  
publisher  
**Stichting MRPI®**  
[www.mrpi.nl](http://www.mrpi.nl)

MRPI® registration  
**1.1.00462.2023**  
date of first issue  
**06-12-2023**  
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**06-12-2028**





## COMPANY INFORMATION



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## MRPI® REGISTRATION

1.1.00462.2023

## DATE OF ISSUE

06-12-2023

## EXPIRY DATE

06-12-2028

## SCOPE OF DECLARATION

This MRPI®-EPD certificate is verified by **ing. Kamiel Jansen, Aveco de Bondt**.

The LCA study has been done by **Maria Papavasileiou, Brienne Wiersema, Ecomatters B.V.**

The certificate is based on an LCA-dossier according to ISO14025 and EN15804+A2. It is verified according to the 'MRPI®-EPD verification protocol November 2020.v4.0'. EPDs of construction products may not be comparable if they do not comply with EN15804+A2. Declaration of SVHC that are listed on the 'Candidate List of Substances of Very High Concern for authorisation' when content exceeds the limits for registration with ECHA.

## PROGRAM OPERATOR

Stichting MRPI®  
Kingsfordweg 151  
1043GR  
Amsterdam

ir. J-P den Hollander, Managing director MRPI®

## PRODUCT

Interzinc 52

## DECLARED UNIT/FUNCTIONAL UNIT

All impacts are calculated using the declared unit  
"decoration of 1 m<sup>2</sup> of surface"

## DESCRIPTION OF PRODUCT

Epoxy Zinc-Rich

## VISUAL PRODUCT



## MORE INFORMATION

<https://www.international-pc.com/products/interzinc-52>

## DEMONSTRATION OF VERIFICATION

CEN standard EN15804 serves as the core PCR[a]

Independent verification of the declaration and data,

according to EN ISO 14025:2010:

internal: external: X

Third party verifier:

ing. Kamiel Jansen, Aveco de Bondt

[a] PCR = Product Category Rules

## DETAILED PRODUCT DESCRIPTION

A two component, metallic zinc rich epoxy primer which complies with the composition and performance requirements of SSPC Paint 20.

### *Typical use*

As a high performance primer to give maximum protection as part of any anti-corrosive coating system for aggressive environments including those found on offshore structures, petrochemical facilities, pulp and paper plants, bridges and power plants.

Interzinc 52 has been designed to provide excellent corrosion resistance in both maintenance and new construction situations.

### *Application method*

Airless spray, Air spray, Brush, Roller

### *Pack size (L)*

10

### *Production process and conditions of delivery*

During paint production, the raw materials are pre-weighed according to the percentage of each in the formulation. The pigment is then dispersed in a mixture of binder using a variety of mixing equipment.

Finally, the paint undergoes QC (quality control), is filtered and filled into the appropriate packaging container(s). All paint containers are transported from the production sites to a distribution center and finally to the customers.

| COMPONENT > 1% of total mass | [%]          |
|------------------------------|--------------|
| Pigment: Zinc                | Confidential |
| Binder: Epoxy Resin          | Confidential |
| Solvent: Organic solvents    | Confidential |

## SCOPE AND TYPE

The type of this EPD is Cradle-to-Gate with options. All major steps from the extraction of natural resources to the final disposal of the product are included in the environmental performance of the manufacturing phase, except those that are not relevant to the environmental performance of the product. This declaration does not imply an indicator result of zero.

This EPD is representative for products produced in Sweden, Saudi Arabia, China, USA, Korea and Vietnam. The paint is produced in Angered, Sweden, Dammam, Saudi Arabia, Suzhou, China, Houston, USA, Chilseo, Korea and Amata, Vietnam. The application market is for customers worldwide. Likewise, for the end-of-life, the fate of the paint product is described within a global context.

The software GaBi 10.5.1.124 Professional is used to perform the LCA. In the model Ecoinvent 3.8 database was used.

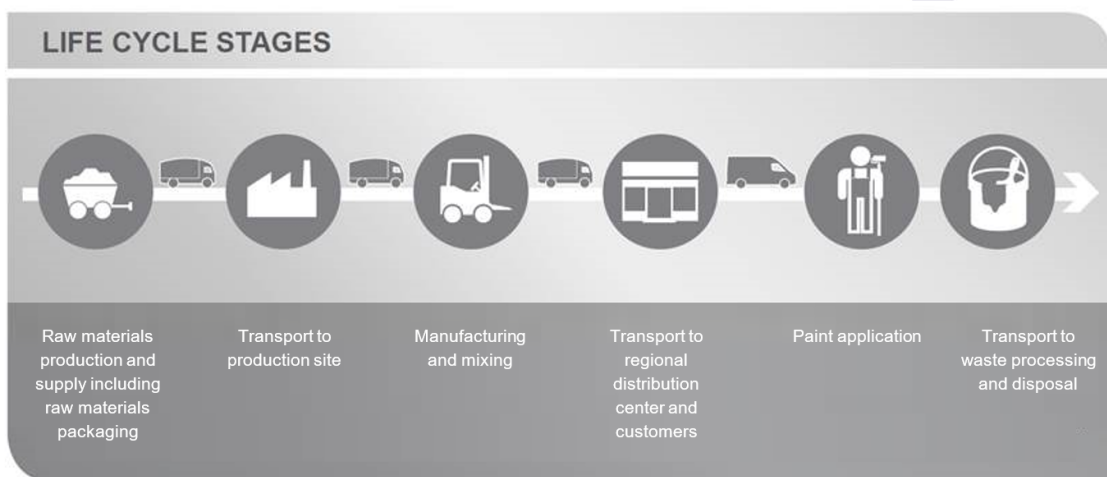
The validity of this EPD is in correspondence with the specifications of the LCA project report.

All impacts associated with the upstream production of materials and energy are included in the system boundaries. Mining activities and controlled landfills are included in the product systems. The emissions and resource extractions derived from these processes are considered elementary exchanges between the product systems and the environment.

| PRODUCT STAGE       |           |               | CONSTRUCTION           |          |     | USE STAGE   |        |             |               |                        |                       |                            | END OF LIFE |                  |          | BENEFITS AND                       |  |
|---------------------|-----------|---------------|------------------------|----------|-----|-------------|--------|-------------|---------------|------------------------|-----------------------|----------------------------|-------------|------------------|----------|------------------------------------|--|
|                     |           |               | PROCESS                |          |     |             |        |             |               |                        |                       |                            | STAGE       |                  |          | LOADS BEYOND THE                   |  |
|                     |           |               | STAGE                  |          |     |             |        |             |               |                        |                       |                            |             |                  |          | SYSTEM BOUNDARIES                  |  |
| Raw material supply | Transport | Manufacturing | Transport gate to site | Assembly | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction demolition | Transport   | Waste processing | Disposal | Reuse-Recovery-Recycling-potential |  |
| A1                  | A2        | A3            | A4                     | A5       | B1  | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                         | C2          | C3               | C4       | D                                  |  |
| x                   | x         | x             | x                      | x        | ND  | ND          | ND     | ND          | ND            | ND                     | ND                    | x                          | x           | x                | x        | ND                                 |  |

X = Modules Assessed

ND = Not Declared



LCA process diagram according to EN 15804 (7.2.1)

## REPRESENTATIVENESS

This EPD is representative for one paint product to Interzinc 52:

### 1. Interzinc 52

This EPD is representative for products manufactured in Angered (Sweden), Dammam (Saudi Arabia), Houston (USA), Suzhou (China), Chilseo (Korea) and Amata (Vietnam), and sold worldwide.

## ENVIRONMENTAL IMPACT per functional unit or declared unit (core indicators A2)

|                       | UNIT                    | A1          | A2          | A3           | A1-A3        | A4          | A5           | C1   | C2           | C3   | C4           |
|-----------------------|-------------------------|-------------|-------------|--------------|--------------|-------------|--------------|------|--------------|------|--------------|
| GWP-total             | kg CO2 eq.              | 1.33<br>E+0 | 1.31<br>E-2 | 9.30<br>E-2  | 1.44<br>E+0  | 3.48<br>E-2 | 2.80<br>E-1  | 0.00 | 1.90<br>E-3  | 0.00 | 7.71<br>E-2  |
| GWP-fossil            | kg CO2 eq.              | 1.32<br>E+0 | 1.30<br>E-2 | 1.15<br>E-1  | 1.45<br>E+0  | 3.46<br>E-2 | 2.66<br>E-1  | 0.00 | 1.89<br>E-3  | 0.00 | 7.41<br>E-2  |
| GWP-biogenic          | kg CO2 eq.              | 8.90<br>E-3 | 3.91<br>E-5 | -2.29<br>E-2 | -1.40<br>E-2 | 1.20<br>E-4 | 1.39<br>E-2  | 0.00 | 5.68<br>E-6  | 0.00 | 2.93<br>E-3  |
| GWP-luluc             | kg CO2 eq.              | 9.63<br>E-5 | 5.11<br>E-6 | 5.07<br>E-4  | 6.08<br>E-4  | 1.63<br>E-5 | 1.51<br>E-6  | 0.00 | 7.42<br>E-7  | 0.00 | 1.47<br>E-6  |
| ODP                   | kg CFC11 eq.            | 7.72<br>E-8 | 2.96<br>E-9 | 4.53<br>E-9  | 8.47<br>E-8  | 7.51<br>E-9 | 2.74<br>E-10 | 0.00 | 4.30<br>E-10 | 0.00 | 5.29<br>E-10 |
| AP                    | mol H+ eq.              | 1.70<br>E-2 | 6.64<br>E-5 | 3.83<br>E-4  | 1.74<br>E-2  | 1.97<br>E-4 | 1.34<br>E-5  | 0.00 | 9.64<br>E-6  | 0.00 | 1.76<br>E-5  |
| EP-freshwater         | kg P eq.                | 1.18<br>E-3 | 9.50<br>E-7 | 1.12<br>E-5  | 1.19<br>E-3  | 2.92<br>E-6 | 3.59<br>E-7  | 0.00 | 1.38<br>E-7  | 0.00 | 2.19<br>E-7  |
| EP-marine             | kg N eq.                | 2.20<br>E-3 | 2.25<br>E-5 | 8.61<br>E-5  | 2.31<br>E-3  | 6.76<br>E-5 | 5.90<br>E-6  | 0.00 | 3.27<br>E-6  | 0.00 | 6.80<br>E-6  |
| EP-terrestrial        | mol N eq.               | 2.53<br>E-2 | 2.46<br>E-4 | 8.90<br>E-4  | 2.65<br>E-2  | 7.38<br>E-4 | 6.26<br>E-5  | 0.00 | 3.57<br>E-5  | 0.00 | 7.44<br>E-5  |
| POCP                  | kg NMVOC eq.            | 6.74<br>E-3 | 7.33<br>E-5 | 2.86<br>E-4  | 7.10<br>E-3  | 2.16<br>E-4 | 9.45<br>E-3  | 0.00 | 1.06<br>E-5  | 0.00 | 2.03<br>E-5  |
| ADP-minerals & metals | kg Sb eq.               | 1.56<br>E-3 | 3.00<br>E-8 | 8.08<br>E-8  | 1.56<br>E-3  | 8.60<br>E-8 | -3.66<br>E-8 | 0.00 | 4.35<br>E-9  | 0.00 | 5.04<br>E-9  |
| ADP-fossil            | MJ, net calorific value | 1.99<br>E+1 | 2.04<br>E-1 | 1.48<br>E+0  | 2.16<br>E+1  | 5.35<br>E-1 | 2.84<br>E-2  | 0.00 | 2.96<br>E-2  | 0.00 | 3.94<br>E-2  |
| WDP                   | m3 world eq. deprived   | 8.11<br>E-1 | 1.08<br>E-3 | 9.87<br>E-3  | 8.22<br>E-1  | 3.14<br>E-3 | 5.24<br>E-4  | 0.00 | 1.57<br>E-4  | 0.00 | 1.76<br>E-3  |

GWP-total = Global Warming Potential total

GWP-fossil = Global Warming Potential fossil fuels

GWP-biogenic = Global Warming Potential biogenic

GWP-luluc = Global Warming Potential land use and land use change

ODP = Depletion potential of the stratospheric ozone layer

AP = Acidification Potential, Accumulated Exceedence

EP-freshwater = Eutrophication Potential, fraction of nutrients reaching freshwater end compartment

EP-marine = Eutrophication Potential, fraction of nutrients reaching marine end compartment

EP-terrestrial = Eutrophication Potential, Accumulated Exceedence

POCP = Formation potential of tropospheric ozone photochemical oxidants

ADP-minerals&metals = Abiotic Depletion Potential for non fossil resources [2]

ADP-fossil = Abiotic Depletion for fossil resources potential [2]

WDP = Water (user) deprivation potential, deprivation-weighted water consumption [2]

Disclaimer [2]

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

**ENVIRONMENTAL IMPACT per functional unit or declared unit (additional indicators A2)**

|        | UNIT              | A1          | A2           | A3           | A1-A3       | A4           | A5           | C1   | C2           | C3   | C4           |
|--------|-------------------|-------------|--------------|--------------|-------------|--------------|--------------|------|--------------|------|--------------|
| PM     | Disease incidence | 2.98<br>E-7 | 1.19<br>E-9  | 4.53<br>E-9  | 3.04<br>E-7 | 3.25<br>E-9  | 1.44<br>E-10 | 0.00 | 1.73<br>E-10 | 0.00 | 2.70<br>E-10 |
| IRP    | kBq U235 eq.      | 7.03<br>E-2 | 9.45<br>E-4  | 1.02<br>E-2  | 8.15<br>E-2 | 2.52<br>E-3  | 1.46<br>E-4  | 0.00 | 1.37<br>E-4  | 0.00 | 1.62<br>E-4  |
| ETP-fw | CTUe              | 1.45<br>E+2 | 1.75<br>E-1  | 1.01<br>E+0  | 1.46<br>E+2 | 4.71<br>E-1  | 1.12<br>E-1  | 0.00 | 2.54<br>E-2  | 0.00 | 4.35<br>E-2  |
| HTP-c  | CTUh              | 2.06<br>E-9 | 4.40<br>E-12 | 8.85<br>E-11 | 2.15<br>E-9 | 1.38<br>E-11 | 1.22<br>E-10 | 0.00 | 6.38<br>E-13 | 0.00 | 9.43<br>E-11 |
| HTP-nc | CTUh              | 2.08<br>E-7 | 1.51<br>E-10 | 1.16<br>E-9  | 2.10<br>E-7 | 4.04<br>E-10 | 2.43<br>E-9  | 0.00 | 2.19<br>E-11 | 0.00 | 3.00<br>E-10 |
| SQP    | ---               | 4.53<br>E+0 | 2.27<br>E-1  | 2.13<br>E+0  | 6.89<br>E+0 | 5.71<br>E-1  | 1.73<br>E-2  | 0.00 | 3.29<br>E-2  | 0.00 | 7.21<br>E-2  |

PM = Potential incidence of disease due to PM emissions

IRP = Potential Human exposure efficiency relative to U235 [1]

ETP-fw = Potential Comparative Toxic Unit for ecosystems [2]

HTP-c = Potential Comparative Toxic Unit for humans [2]

HTP-nc = Potential Comparative Toxic Unit for humans, non-cancer [2]

SQP = Potential soil quality index [2]

**Disclaimer [1]**

- This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

**Disclaimer [2]**

- The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

## RESOURCE USE per functional unit or declared unit (A1 / A2)

|       | UNIT | A1          | A2          | A3           | A1-A3       | A4          | A5           | C1   | C2           | C3   | C4           |
|-------|------|-------------|-------------|--------------|-------------|-------------|--------------|------|--------------|------|--------------|
| PERE  | MJ   | 1.57<br>E+0 | 2.24<br>E-3 | 3.45<br>E-1  | 1.91<br>E+0 | 7.27<br>E-3 | 6.41<br>E-4  | 0.00 | 3.24<br>E-4  | 0.00 | 4.65<br>E-4  |
| PERM  | MJ   | 1.03<br>E-5 | 1.21<br>E-9 | 1.39<br>E-8  | 1.04<br>E-5 | 3.31<br>E-9 | 2.26<br>E-10 | 0.00 | 1.76<br>E-10 | 0.00 | 7.80<br>E-10 |
| PERT  | MJ   | 1.57<br>E+0 | 2.24<br>E-3 | 3.45<br>E-1  | 1.91<br>E+0 | 7.27<br>E-3 | 6.41<br>E-4  | 0.00 | 3.24<br>E-4  | 0.00 | 4.65<br>E-4  |
| PENRE | MJ   | 1.99<br>E+1 | 2.04<br>E-1 | 1.48<br>E+0  | 2.16<br>E+1 | 5.35<br>E-1 | 2.84<br>E-2  | 0.00 | 2.96<br>E-2  | 0.00 | 3.94<br>E-2  |
| PENRM | MJ   | 7.25<br>E-8 | 0.00        | 2.19<br>E-10 | 7.27<br>E-8 | 0.00        | 0.00         | 0.00 | 0.00         | 0.00 | 0.00         |
| PENRT | MJ   | 1.99<br>E+1 | 2.04<br>E-1 | 1.48<br>E+0  | 2.16<br>E+1 | 5.35<br>E-1 | 2.84<br>E-2  | 0.00 | 2.96<br>E-2  | 0.00 | 3.94<br>E-2  |
| SM    | kg   | 0.00        | 0.00        | 0.00         | 0.00        | 0.00        | 0.00         | 0.00 | 0.00         | 0.00 | 0.00         |
| RSF   | MJ   | 0.00        | 0.00        | 0.00         | 0.00        | 0.00        | 0.00         | 0.00 | 0.00         | 0.00 | 0.00         |
| NRSF  | MJ   | 0.00        | 0.00        | 0.00         | 0.00        | 0.00        | 0.00         | 0.00 | 0.00         | 0.00 | 0.00         |
| FW    | m3   | 7.31<br>E-5 | 1.22<br>E-5 | 3.66<br>E-6  | 8.90<br>E-5 | 4.09<br>E-5 | 2.19<br>E-1  | 0.00 | 2.18<br>E-1  | 0.00 | 4.01<br>E-5  |

PERE = Use of renewable energy excluding renewable primary energy resources

PERM = Use of renewable energy resources used as raw materials

PERT = Total use of renewable primary energy resources

PENRE = Use of non-renewable primary energy resources excluding non-renewable energy resources used as raw materials

PENRM = Use of non-renewable primary energy resources used as raw materials

PENRT = Total use of non-renewable primary energy resources

SM = Use of secondary materials

RSF = Use of renewable secondary fuels

NRSF = Use of non renewable secondary fuels

FW = Use of net fresh water

## OUTPUT FLOWS AND WASTE CATEGORIES per functional unit or declared unit (A1 / A2)

|      | UNIT | A1   | A2   | A3          | A1-A3       | A4   | A5          | C1   | C2   | C3   | C4          |
|------|------|------|------|-------------|-------------|------|-------------|------|------|------|-------------|
| HWD  | kg   | 0.00 | 0.00 | 2.97<br>E-3 | 2.97<br>E-3 | 0.00 | 1.96<br>E-2 | 0.00 | 0.00 | 0.00 | 0.00        |
| NHWD | kg   | 0.00 | 0.00 | 2.25<br>E-3 | 2.25<br>E-3 | 0.00 | 0.00        | 0.00 | 0.00 | 0.00 | 2.54<br>E-1 |
| RWD  | kg   | 0.00 | 0.00 | 0.00        | 0.00        | 0.00 | 0.00        | 0.00 | 0.00 | 0.00 | 0.00        |
| CRU  | kg   | 0.00 | 0.00 | 0.00        | 0.00        | 0.00 | 0.00        | 0.00 | 0.00 | 0.00 | 0.00        |
| MFR  | kg   | 0.00 | 0.00 | 0.00        | 0.00        | 0.00 | 1.51<br>E-2 | 0.00 | 0.00 | 0.00 | 0.00        |
| MER  | kg   | 0.00 | 0.00 | 0.00        | 0.00        | 0.00 | 0.00        | 0.00 | 0.00 | 0.00 | 0.00        |
| EEE  | MJ   | 0.00 | 0.00 | 0.00        | 0.00        | 0.00 | 0.00        | 0.00 | 0.00 | 0.00 | 0.00        |
| ETE  | MJ   | 0.00 | 0.00 | 0.00        | 0.00        | 0.00 | 0.00        | 0.00 | 0.00 | 0.00 | 0.00        |

HWD = Hazardous Waste Disposed

RWD = Radioactive Waste Disposed

MFR = Materials for recycling

EEE = Exported Electrical Energy

NHWD = Non Hazardous Waste Disposed

CRU = Components for reuse

MER = Materials for energy recovery

ETE = Exported Thermal Energy

## BIOGENIC CARBON CONTENT per functional unit or declared unit (A1 / A2)

|       | UNIT | A1           | A2   | A3          | A1-A3        | A4   | A5           | C1   | C2   | C3   | C4          |
|-------|------|--------------|------|-------------|--------------|------|--------------|------|------|------|-------------|
| BCCpr | kg C | -7.96<br>E-4 | 0.00 | 0.00        | -7.96<br>E-4 | 0.00 | 0.00         | 0.00 | 0.00 | 0.00 | 7.96<br>E-4 |
| BCCpa | kg C | 0.00         | 0.00 | 4.63<br>E-3 | 4.63<br>E-3  | 0.00 | -4.63<br>E-3 | 0.00 | 0.00 | 0.00 | 0.00        |

BCCpr = Biogenic carbon content in product

BCCpa = Biogenic carbon content in packaging

## CALCULATION RULES

### Cut off criteria

The cut-off is considered in the raw material supply stage (A1). Cut-off of inputs comprises of the raw materials, for which no appropriate proxies were found. In this study there were no cut-off inputs. For recycling of waste packaging material (metal and plastic), a cut-off approach was followed. The cut-off point is chosen to be the end of waste treatment.

### Data quality and data collection period

Specific data was collected from AkzoNobel through a questionnaire, including inquiries about paint characteristics and packaging, logistics data (e.g. transport), production information and end-of-life. The data collection period for specific data was the year 2022.

Data gaps (i.e. transport data, end of life scenarios) were covered with data generic values for transport as described in the Product Environmental Footprint Category Rules - Decorative Paints document version 1.0 published by CEPE and reviewed in April 2018. Further data gaps (i.e. end-of-life transport data) were covered with data from internal AkzoNobel LCA studies concerning the same type of products (paints and coatings). Generic data (i.e. upstream acquisition and production of raw materials, energy generation, transport, waste treatment processes) was selected from Ecoinvent 3.8 database. In the case of missing data, a relevant proxy was searched and adjusted to the corresponding unit process.

### Allocation procedure

To allocate the emissions and inputs to the manufactured products, the decision-hierarchy in ISO 14044 is used (ISO 2006). It is not possible to sub-divide the site data into a more detailed level or find physical causalities between inputs and outputs, thus allocation is done based on mass, considering the annual production of paint product for each site. The paint production is basically a process of mixing ingredients and, therefore, the environmental impact is fairly likely to be related to the mass of the products.

| Parameter          | Value | Unit              |
|--------------------|-------|-------------------|
| VOC content        | 392.8 | g/l               |
| Density            | 2.5   | kg/l              |
| Coverage           | 9.8   | m <sup>2</sup> /l |
| Number of layers   | 1     | Quantity          |
| Total product used | 0.254 | kg/m <sup>2</sup> |

## SCENARIOS AND ADDITIONAL TECHNICAL INFORMATION

### A1. Raw materials supply

This module considers the extraction and processing of all raw materials and energy which occur upstream to the Interzinc 52 manufacturing process, as well as waste processing up to the end-of waste state.

### A2. Transport of raw materials to manufacturer

This includes the transport distance of the raw materials to the manufacturing facility via road.

| Vehicle type used for transport | Truck              |
|---------------------------------|--------------------|
| Distance, km                    | 460                |
| Capacity                        | >32 t ,64% payload |

### A3. Manufacturing

This module covers the manufacturing of the Interzinc 52 and includes all processes linked to production such as storing, mixing, packing and internal transportation. Use of electricity, fuels and auxiliary materials in paint production is taken into account as well.

Data regarding paint production was provided for the manufacturing site where the Interzinc 52 is produced: Angered (Sweden), Dammam (Saudi Arabia), Houston (USA), Suzhou (China), Chilseo (Korea) and Amata (Vietnam). The transportation distances and transportation modes for raw materials and packaging materials were retrieved from the Product Environmental Footprint Category Rules – Decorative paints document. The specific transportation distances and transportation modes to customer were collected from the AkzoNobel logistics department. Primary data and site-specific data were retrieved. For electricity sources (standard market mix and renewable mix when applicable) the Ecoinvent 3.8 dataset was used. For upstream (raw material processes) and downstream processes (application, use, and waste processing) generic data is used when no specific data is obtained.

The construction site data includes lighting, heating, offices, etc. The manufacture of production equipment and infrastructure is not included in the system boundary.

### A4. Transport to Regional Distribution Centre and customer

All paint containers are transported from the production facility into a distribution centre and then finally to the customer. On average, the transport characteristics for this life cycle stage are the following

| Coatings transport type | factory to RDC     | RDC to Point of Sale (customer) | RDC to Point of Sale (customer) | RDC to Point of Sale (customer) |
|-------------------------|--------------------|---------------------------------|---------------------------------|---------------------------------|
| Transport Type          | Truck              | Truck                           | Rail                            | Container ship                  |
| Distance (km)           | 535                | 537                             | 2567                            | 1905                            |
| Capacity                | >32 t, 64% payload | >32 t, 64% payload              | Unknown                         | Unknown                         |

#### A5. Application and use

This module includes the environmental aspects and impacts associated with the application and of the paint. The energy required for the application of this paint has been included in the study. The use of paintbrushes and other appliances used during application are not included. There are some raw materials added in the paint formulations which contain small amounts of solvents. The VOC emissions from the application process have been included in the assessment.

#### C2. Transport to incineration or landfill

This module includes one-way transportation distance of the demolition or sorting site to the dump site.

| End-of-life transport type | Transport to waste processing       |
|----------------------------|-------------------------------------|
| Vehicle type               | Truck 34t-40t payload average fleet |
| Distance                   | 80 km                               |
| Capacity utilisation       | 64%                                 |

#### C3. Waste processing and C4. Disposal

The end of life stage is encompassed in these modules. It is assumed that paint is used as exterior paint. It is assumed that part of the paint is lost during application and the rest is applied.

| Classification of paint, based on function | % of sold paint to landfill | % of sold paint to incineration |
|--------------------------------------------|-----------------------------|---------------------------------|
| Exterior anti-corrosive coating            | 88%                         | 12%                             |

### DECLARATION OF SVHC

None of the substances contained in the product are listed in the “Candidate List of Substances of Very High Concern for authorisation”, or they do not exceed the threshold with the European Chemicals Agency.

### REFERENCES

- EN 15804:2012+A2:2019 Sustainability of construction works. Environmental product declarations. Core rules for the product category of construction products, of 2019.
- ISO 14040/14044 on Life Cycle Assessments
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### REMARKS

There are no further remarks.