


# SUSTAINABILITY-DATASHEET

## UZIN PE 460

### 2-Component Epoxy Primer-Sealer

**Identification of hazards:** Comp. A: Contains epoxy resin: Xi: „Irritant“; N: „Dangerous for the environment“.  
Comp. B: Contains amine hardener: C: „Corrosive“.

#### Indoor air quality (VOC)

<input checked="" type="checkbox"/>	EMICODE EC 1R PLUS – very low emission			
<input type="checkbox"/>	Blue Angel according to RAL-UZ 113 – special environmental friendliness			

#### Life Cycle Assessment (LCA)

LCA according to ISO 14040/44     EPD according to EN 15804; third party verified

Functional Unit (FU): 1 kg product; cradle-to-gate (according to EN 15804: Modules A1-A3)

Global warming potential (GWP 100)	[kg CO <sub>2</sub> -Eq./kg]	7,70	Total use of non renewable primary energy resources	[MJ/kg]	129,21	
Depletion potential of the stratospheric ozone layer (ODP)	[kg R11-Eq./kg]	8,30E-07	Total use of renewable primary energy resources	[MJ/kg]	2,89	
Acidification potential of land and water (AP)	[kg SO <sub>2</sub> -Eq./kg]	1,93E-03	Waste categories:			
Eutrophication potential (EP)	[kg PO <sub>4</sub> -Eq./kg]	6,79E-03		Hazardous waste disposed	[kg/kg]	3,76E-04
Formation potential of tropospheric ozone photochemical oxidants (POCP)	[kg ethene-Eq./kg]	2,59E-03		Non hazardous waste disposed	[kg/kg]	2,77
Abiotic depletion potential for non fossil resources (ADPe)	[kg Sb-Eq./kg]	4,82E-05	Radioactive waste disposed	[kg/kg]	2,98E-04	
Abiotic depletion potential for fossil resources (ADPf)	[MJ/kg]	118,10	Use of net fresh water	[m <sup>3</sup> /kg]	0,37	

#### Resources:

Natural, mineral resources	0 %	Secondary materials / recycling materials	0 %
Renewable materials	0 %	Water content	0 %
Average origin of materials	515 km	Packaging: metal combi-can	

#### Certification of Green Buildings

##### LEED (Compliance test IEQ 4.1)

<input checked="" type="checkbox"/>	VOC Emission test according to SCAQMD Rule 1168 is met	<input checked="" type="checkbox"/>	externally verified
<input checked="" type="checkbox"/>	Additional test CA 01350 (California Specification Section 01350) is met	<input checked="" type="checkbox"/>	externally verified

##### BREEAM

<input checked="" type="checkbox"/>	Product neither contains carcinogenic nor sensitising volatile substances
<input checked="" type="checkbox"/>	Test-chamber measurement performed according to EN ISO 16000-9. Isocyanates or other sensitising volatile substances have <u>not</u> been detected in the test-chamber measurement.
<input checked="" type="checkbox"/>	Substances prohibited in BREEAM requirements for Flooring adhesives – Hea 9 - Volatile Organic Compounds are neither used nor will be emitted from this product.

##### DGNB (Profile 6: Risks for the local environment)

<input checked="" type="checkbox"/>	VOC-content (acc. to 2004/42/EG); Product meets quality level 3
<input checked="" type="checkbox"/>	EMICODE EC 1 PLUS or RAL-UZ 113

**Certifications:** Safety Data Sheet, license of EMICODE EC 1R PLUS and other product related information are available for download under [www.uzin.com](http://www.uzin.com)