

## HEALTH AND SAFETY INFORMATION RonaFloor EWB

### 1. COMPOSITION

A 2 pack system comprising resin and hardener which are supplied in separate containers to be mixed together at the site of application.

	% by weight	CAS No	Hazard	R-phrases	Symbols
Composition of resin:					
Epoxy resin	10-20%	25068-38-6	Xi	R36/38,43	
Non-toxic pigments and non-toxic additives	50-70%				
Water	15-35%				
Composition of hardener:					
Isophorane Diamine	5-30%	2855-13-2	C	R21/22,34,43	

### 2. HAZARDS IDENTIFICATION

Resin:	Irritating to eyes and skin. May cause sensitisation by skin contact.
Hardener:	Harmful in contact with skin and if swallowed. May cause sensitisation by skin contact.

### 3. FIRST AID MEASURES

Eye Contact:	Rinse immediately with water, continuing for 15 minutes. Seek medical attention.
Skin Contact:	Rinse immediately with plenty of soap and water. Remove contaminated clothing. In case of persistent irritation, or if a rash develops, seek medical attention.
Inhalation:	Remove the affected person to fresh air and allow to rest. In case of breathing difficulty, or distress, seek medical attention.
Ingestion:	Immediately rinse mouth with water and seek medical attention. If this is not immediately available, drink 1 or 2 pints of water.

### 4. FIRE FIGHTING MEASURES

Special hazards:	If involved in a fire, may generate noxious or toxic vapours.
Protective equipment:	Fire fighters wear self contained breathing apparatus.
Extinguishing agents:	Alcohol resistant, Foam, dry powder, CO <sub>2</sub> or water spray.

### 5. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear full protective clothing when dealing with a spillage.
Environmental precautions:	Prevent from entering sewer system, surface water, or soil.
Methods for cleaning up:	Absorb with earth, sand or other absorbent materials. Wash the area clean with water and detergent.

**6. HANDLING AND STORAGE**

Handling: Wear goggles or a face shield, impervious gloves and protective clothing.  
Storage: Store in a cool, well ventilated place away from foodstuffs. Keep containers sealed until mixing.

**7. EXPOSURE CONTROLS/PERSONAL PROTECTION**

During application: Wear goggles or a face shield, impervious gloves and protective clothing. Apply in a well ventilated area.

**8. PHYSICAL AND CHEMICAL PROPERTIES**

Resin:  
Physical state: pigment dispersion in water resin liquid.  
Colour: varies according to shade of finish required.  
Odour: weak odour.  
Boiling point: 100°C.  
Flash point: >200°C.  
Density:  
Solubility: fully miscible with water.  
Viscosity:

Hardener:  
Physical state: fluid.  
Colour: yellow-brown.  
Odour: amine like.  
Boiling point: not determined.  
Flash point: not applicable.  
Self ignition temp: not applicable.  
Density: about 1.07g/cm<sup>3</sup> at 20°C.  
Solubility: fully miscible with water.  
Viscosity: 5500-7500cPs @ 25°C.

**9. STABILITY AND REACTIVITY**

Resin: May react exothermally with amines and mercaptans, also with acids.  
In case of a fire, carbon monoxide, carbon dioxide and other harmful gases may be formed.  
Hardener: Reacts exothermally with acids.  
In case of a fire, toxic fumes of nitrogen oxides may be formed.

**10. TOXICOLOGICAL INFORMATION**

Resin: LD50 oral, rat: 15000mg/kg.  
Epoxy resins such as contained in this product have been shown to cause irritation in humans on skin and eyes. Skin sensitisation was also observed.

Hardener: LD50 oral, rat: >10000mg/kg.  
The polyaminoamide as contained in this product is an irritant to skin and a severe irritant to eyes.

**11. ECOLOGICAL INFORMATION**

Environmental precautions: Prevent from entering sewer system, surface water or soil.

**12. DISPOSAL CONSIDERATIONS**

Waste: Burn in a hazardous waste incinerator.

**13. TRANSPORT INFORMATION**

Land transport ADR/RID (cross-border)  
ADR/RID Class: 8 Corrosive materials  
Number/Letter: 53c)  
Hazard Index Number: 80  
Substance Index Number: 2735  
Label 8  
Designation of goods: Polyamine, flüssig, atzend, n.a.g.

Maritime transport IMDG:

IMDG Class: 8  
Page: 8109-2  
UN Number: 2735  
Packaging group: III  
EMS Number: 8-05  
MFAG: 320  
Marine pollutant: --  
Correct technical name: Polyamines, liquid, corrosive, n.o.s.  
Air transport ICAO-Ti and IATA-DGR:  
ICAO/IATA Class: 8  
UN/ID Number: 2735  
Packaging group: III  
Correct technical name: Polyamines, liquid, corrosive, n.o.s.

**14. REGULATORY INFORMATION**

Resin: Hazard labels: N Dangerous for the environment.  
Hazard labels: XI Irritating.  
R-phrases: R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.  
51/53 toxic to aquatic organisms.  
S-phrases: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of soap and water.  
S37/39 Wear suitable gloves and eye/face protection.  
S61 Avoid release to the environment.

Hardener: Hazard labels: C Corrosive.  
R-phrases: 21/22 Harmful in contact with skin and if swallowed.  
34 Causes burns.  
43 May cause sensitisation by skin contact.  
S-phrases: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
45 In case of accident or if you feel unwell, seek medical advice immediately.

<b>15. OTHER INFORMATION</b>
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The resin and hardener are mixed together in the approximate ratio as follows:

resin:	85-87% by weight
hardener:	13-15% by weight

All the foregoing information should be regarded as being applicable to the finished paint as well as to the individual resin and hardener components.