

**EnduRoof- Comp A**

According to Regulation (EU) No. 1907/2006 – REACH

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**1.1 Product commercial name: **EnduRoof 2K - Comp A**Product code:       Component-A: 160-2  
                              Component-B: 160-2

1.2 Uses:

Two component elastomeric, polyurethane based material, extended with pure chemically polymerized black bitumen, for waterproofing any surface.

1.3 Company/undertaking identification:

Superior Coatings & Concrete Trading  
Swaefkenstraat 8  
7415 EC Deventer  
The Netherlands  
Tel: +31 (0) 570-672971  
Fax: +31 (0) 570-670343

1.4 Telephone number for emergency:

Tel.: +31 (0) 570-672971

**2. HAZARDS IDENTIFICATION**

2.1 Human health hazards:

Harmful. Harmful by inhalation and in contact with skin.

2.2 Safety hazards:

No specific hazards because the product is fully polymerized by atmospheric humidity to a solid plastic like material. The product is flammable, so keep away from sources of ignition. No smoking.

**3. COMPOSITION/INFORMATION ON INGREDIENTS***Description:* Polyurethane polymer in Xylene.

<b>Dangerous substance</b>	<b>CAS-no.</b>	<b>EC.no</b>	<b>Content</b>	<b>Classification</b>
Organic solvents: Mixed xylene (o,p,m-xylene)	1330-20-7	215-525-7	15%	R10; Xn – R20/21 – Xi; R38

**EnduRoof- Comp A**

According to Regulation (EU) No. 1907/2006 – REACH

Specific Concentration Limit(s) of Mixed xylenes:

Concentration	Classification
C ≥ 20%	Xn; R20/21-38
12,5% ≤ C < 20%	Xn; R20/21

**4. FIRST - AID MEASURES****4.1 First Aid -***Inhalation:*

Remove to fresh air.

**4.2 First Aid - Skin:**

Wash immediately with alkool, soap and water. If rapid removal does not occur, remove it after it's fully polymerized.

**4.3 First Aid - Eye:**

Wash immediately with soap and water. Obtain medical advice if there are persistent symptoms.

**4.3 First Aid - Ingestion:**

Do not induce vomiting. Give nothing by mouth. Obtain medical attention.

**4.4 Advice to physicians:**

Symptomatic treatment and supportive therapy as indicated. Following severe exposure the patient should be kept under medical review for at least 48 hours.

**5. FIRE FIGHTING MEASURES****5.1 Extinguishing media:**

sand, dry extinguishing media, foam and carbon dioxide.

**5.2 Unsuitable extinguishing media: -**

Protective equipment: Firefighters, gloves and self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions:**

Wear protective clothing, gloves and mask respirator, in case of insufficient ventilation.

**6.2 Environmental precautions:**

No specific hazards because the product is fully polymerized by atmospheric humidity to a solid rubber like material.

**6.3 Clean-up methods:**

After the mixing of the material with sand and pieces of wood transfer it to a tank for suitable incineration in accordance with local regulations.

**EnduRoof- Comp A**

According to Regulation (EU) No. 1907/2006 – REACH

**7. HANDLING & STORAGE****7.1 Handling:**

Avoid contact with eye, respiratory system and skin. In case of insufficient ventilation, wear suitable respiratory equipment.

**7.2 Storage:**

In the original containers tightly sealed in a dry place and keep away from sources of ignition.

**Keep out of the reach of children.**

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Engineering control measures:** Not required.

**8.2 Occupational exposure standards:** None established.

**8.3 Respiratory protection:** In case of insufficient ventilation, wear suitable mask respirator with organic vapour cartridge.

**8.4 Hand protection:** None specified requirements.

**8.5 Eye protection:** None specified requirements.

**8.6 Body protection:** None specified requirements.

**9. PHYSICAL & CHEMICAL PROPERTIES**

**9.1 Appearance:** Transparent.

**9.2 Odour:** Characteristic.

**EnduRoof- Comp A**

According to Regulation (EU) No. 1907/2006 – REACH

9.3 pH:

-

9.4 Boiling point (b.p.):

-

9.5 Melting point (m.p.):

-

9.6 Flash point (F.P.):

42 °C (ASTM D93, Closed cup).

9.7 Cloud point (cp 1%w/w):

-

9.8 Relative density (H<sub>2</sub>O=1):

0.95-1.00 at 20 °C (DIN 51757).

9.9 Solubility in water:

Insoluble.

9.10 Soluble in: Organic

solvents.

9.11 Viscosity:

1000-1500 cP, 25 °C (ASTM D2196/86).

9.12 Direction of ionization:

-

9.13 Active solids content percent:

80%w/w.

**10. STABILITY/REACTIVITY**

10.1 Stability:

Minimum self-life in sealed containers 12 months under ambient conditions.

10.2 Conditions to avoid:

Humidity, long term studies at the sun and high temperature (>40 °C).

10.3 Materials to avoid:

Amines, alcohols and water.

10.4 Hazardous decomposition products: None expected.

**EnduRoof- Comp A**

According to Regulation (EU) No. 1907/2006 – REACH

**11. TOXICOLOGICAL INFORMATION**

*11.1 Eye irritation:*

May cause serious damage.

*11.2 Skin irritation:*

Irritant.

*11.3 Respiratory irritation:*

Long term inhalation studies on the product may lead to bronchoconstriction (asthmatic signs and symptoms)

*11.4 Ingestion irritation:*

Serious damage at very high concentrations. Do not delay. Go immediately to hospital.

**12. ECOLOGICAL INFORMATION**

*12.1 Mobility:*

None expected because of the fully polymerization of the product to a solid rubber like material.

*12.2 Bio-accumulation:*

It is like the rubbers.

*12.3 Persistence/degradability:*

-

*12.4 Eco-toxicity:*

The product does not contain heavy metals or other harmful ingredients. The contained solvents are bio-accumulate and the fillers are physical materials. The contained free isocyanates are fully polymerized by atmospheric humidity to a solid rubber like material, which is familiar to the environment.

**13. DISPOSAL CONSIDERATIONS**

13.1 Must be disposed of by special means, e.g. suitable incineration in accordance with local regulations.

**EnduRoof- Comp A**

According to Regulation (EU) No. 1907/2006 – REACH

As the product is listed as flammable may package in tightly sealed containers and keep away from sources of ignition.

Classifications:

ADR/RID	Class: 3	Packaging group: III
IMO	Class: 3.3	Packaging group: III
IATA/ICAO	Class: 3	Packaging group: III

**15. REGULATORY INFORMATION****15.1 EC**

*Classification:*  
Harmful.

**15.2 Contains:**

Xylene.

**15.3 EC Symbols:**

Xn, <<Contains isocyanates. See the instructions of the producer>>.

**15.4 EC Risk phrases:**

R10 Flammable.  
R20/21 Harmful by inhalation and in contact with skin.

**15.5 EC Safety phrases:**

S2 Keep out of the reach of children.  
S36/37 Wear suitable protective clothing and gloves.  
S40 To clean the floor and all objects contaminated by this material, use XYLOLE or ACETONE.  
S46 If swallowed, seek medical advice immediately and show this container or label.

**16. OTHER INFORMATION****MSDS history****16.1 Edition No:**

05

**16.2 First issue:**

17-01-06.

**16.3 Revised:**

12-03-09, According to: 2001/58/EC, 1999/45/EC, 2001/59/EC & 1907/2006/EK (L396/30.12.2006) – REACH.

**Disclaimer:**

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.*