

CLT end-grain sealing

CLT – CROSS LAMINATED TIMBER

02/2014

Description

Temporary protection from moisture on Cross Laminated Timber (CLT) end-grain surfaces

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| <ul style="list-style-type: none">▪ Product:▪ Product characteristics:▪ Field of application: | <p>Remmers Induline SW-910</p> <p>Prevents loss of moisture on end-grain surfaces. Induline SW-910 forms an elastic, water-repellent and colourless surface membrane. For further information, please see the data sheet. <u>The end-grain surface sealing does not replace moisture barriers!</u></p> <p>Base/wall support
Wood is painted on the support area + approx. 5 mm beyond the edge</p> |
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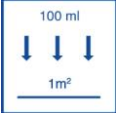


Illustration



Technical Data Sheet
Art. No. 3777

Induline SW-910

Protective agent for end-grain wood on a water base

							
Water based	For use indoors and outdoors	For dimensionally stable building elements	For building elements with limited dimensional stability	For building elements with no dimensional stability	Brush, roller/airless/air-mix spraying Flow cup gun	Stir well before using	Drying time, worked over after 2 hours
							
Working temperature +15°-30°C	Application rate per coat 100 ml 1m²	Shelf-life 6 Month	Store frost-free and cool, protected from moisture in closed containers				

Range of use

Induline SW-910 is used to treat cut and end-grain surfaces on wood and wood working materials. When masking contaminants in a system with Remmers PU Wood Strengthener. Ask for extra working instruction sheet.

Property profile

Induline SW-910 prevents end-grain wood surfaces and V-joints in wood in outdoor areas from absorbing moisture. The product forms an elastic, water repelling, clear film on the surface.

Characteristic data of the product

Density:	approx. 1.04 g/cm³ at +20 °C
Viscosity:	approx. 650 mPa s at +20 °C
Odour:	mild, odourless after drying
Packaging:	2.5 l and 20 l tin can 0.5 l plastic bottle
Colour:	clear

Directions

Induline SW-910 is used after the wood has been primed. The product is ready to use and is applied by brush or roller. Further coating of surfaces treated with Induline SW-910 can be carried out without intermediate sanding. Permissible wood moisture for soft wood is 15% and for hardwood 12%. Do not use Induline SW-910 in direct

sunlight or at temperatures below +15 °C or above +30 °C.

Notes

Surfaces treated with Induline SW-910 must be protected with a further coating. Intermediate and finishing coats can be executed as usual with water based, thick-layer translucent coatings or finishing paints.

Tools, cleaning

Brush, roller. Clean tools immediately after use with water and a detergent and dispose of the remains from cleaning properly.

Application rate

Approx. 100 ml/m², depending on the absorbency of the substrate.

Drying

Approx. 2 hours at +20 °C and 65% relative humidity.

Shelf-life

Six months in unopened, original containers stored dry, cool and protected from frost.

Safety data

Take the usual precautionary measures when working and for storage.

Product Code: M-KH 01

Disposal

Dispose of product remains in compliance with valid regulations. Completely empty containers should be recycled.

Labelling

Water hazard class (WGK): 1
ADR: n.a.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : INDULINE SW 910
Revision : 22.05.2013
Print date : 22.05.2013

Version : 1.0.0

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

INDULINE SW 910 (0000377700)

1.2 Relevant identified uses of the substance or mixture

Coating / Impregnation / Surface coating/paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier : Remmers Baustofftechnik GmbH
Street/P.O.Box : Bernhard-Remmers-Str. 13
Postal code/Town/City : D-49624 Lönigen
Telephone : +49 5432 830
Telefax : +49 5432 3985
Contact : Steve Dunn Tel.: +44 (0) 845 373 0103
E-Mail: sales@remmers.co.uk

1.4 Emergency telephone number

during working hours:
U.K.: Tel.: +44 (0) 845 373 0103
sales@remmers.co.uk
Far East: Tel.: +65(0) 67410277
Head Office Germany: Tel.: +49 (0)5432 83 187
info@remmers.de
after working hours: Tel.: +49 (0)171 21 34 091

2. Hazards identification

2.1 Classification of the substance or mixture

Directive 67/548/EEC or 1999/45/EC

-

Regulation (EC) No 1272/2008 (GHS)

-

2.2 Label elements

Directive 67/548/EEC or 1999/45/EC

Special designation for certain preparations

101 Safety data sheet available for professional user on request.

Regulation (EC) No 1272/2008 (GHS)

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

None.

3. Composition/information on ingredients

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3.2 Mixtures

Hazardous components

(2-METHOXYMETHYLETHOXY)PROPANOL ; Registration number (EC) : 01-2119450011-60 ; EC-No. : 252-104-2; CAS-No. : 34590-94-8

Percentage : 2,5 - 5 %

Classification : Substance with a common (EC) occupational exposure limit value.

For the wording of the listed risk phrases refer to section 16.

4. First aid measures

4.1 Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

After inhalation

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position - call a physician.

After skin contact

Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Contact a doctor immediately. Keep at rest. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Not combustible under normal conditions.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Appropriate breathing apparatus may be required.

5.4 Additional information

Do not allow the quenching water into the sewage system.

6. Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Provide for sufficient ventilation. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

6.4 Reference to other sections

None.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Avoid contact with skin and eyes. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws.

Information about protection against explosions and fires

No anti-explosion measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products

Store the foodstuffs separately.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

Storage class : 12

7.3 Specific end use(s)

None.

8. Exposure controls/personal protection

8.1 Control parameters

(2-METHOXYMETHYLETHOXY)PROPANOL ; CAS-No. : 34590-94-8

Specification : TRGS 900 (D)

Value : 50 ppm / 310 mg/m³

Category : 1(I)

Version date : 02.07.2009

Specification : TWA (EC)

Value : 50 ppm / 308 mg/m³

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Version : 1.0.0

Remarks : H
Version date : 08.06.2000

8.2 Exposure controls

Personal protective equipment

Respiratory protection

Breathing protection equipment required in inadequately ventilated places and during spraying, filter P2.

Hand protection

Nitrile rubber (NBR), break through time: max. 240 min (DIN EN 374). After washing hands replace lost skin fat by fat containing skin creams.

Eye protection

Use tightly fitting safety glasses.

Body protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Natural fibres (e.g. cotton)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Image

Colour : According to product specification
Odour : Poor, characteristic.

Relevant safety data

Physical state :		liquid	
Odour threshold		No data available	
Solidifying point :	ca.	0	°C
Evaporation rate:		No data available	
Vapour density		No data available	
Melting point / melting range:		not relevant	
Boiling temperature / boiling range :	(1013 hPa)	100	°C
Decomposition temperature :		not relevant	
Flash point :		not applicable	
Ignition temperature :		not relevant	
Lower explosion limit :		not relevant	
Upper explosion limit :		not relevant	
Auto-ignition temperature:		No data available	
Density :	(20 °C)	1,04	g/cm ³
Water solubility :	(20 °C)	> 500	g/l
pH value :		No data available	
Flow time :	(20 °C)	No data available	DIN-cup 4 mm
Viscosity :	(20 °C)	650	mPa.s DIN 51562
Partition coefficient n-octanol/water:		No data available	

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9.2 Other information

None.

10. Stability and reactivity

10.1 Reactivity

There are no data available on the product itself.

10.2 Chemical stability

There are no data available on the product itself.

10.3 Possibility of hazardous reactions

There are no data available on the product itself.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

11.1 Information on toxicological effects

There are no data available on the product itself.

11.2 Experience on practice

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

11.3 Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

12.1 Toxicity

There are no data available on the product itself.

12.2 Persistence and degradability

There are no data available on the product itself.

12.3 Bioaccumulative potential

There are no data available on the product itself.

12.4 Mobility in soil

There are no data available on the product itself.

12.5 Results of PBT and vPvB assessment

There are no data available on the product itself.

12.6 Other adverse effects

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There are no data available on the product itself.

13. Disposal considerations

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

13.1 Waste treatment methods

Consult the appropriate authorities about waste disposal.

Recommendation

In accordance with local official regulations. Do not empty into waters or drains.

Waste key

Waste code (91/689/EEC) : 08 01 20

14. Transport information

14.1 UN number

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.2 UN proper shipping name

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.3 Transport hazard class(es)

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.4 Packing group

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.5 Environmental hazards

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.6 Special precautions for user

None.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Water pollution classification (D)

Class : 1 Classification according to VwVwS

15.2 Chemical safety assessment

There are no data available on the product itself.

16. Other information

Further information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless

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written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
