



WOOD FINISHES DIRECT

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For purchasing information visit:
[Morrells Induro XL1 Floor Varnish](#)

Product Data Sheet



Induro XL1

Single Pack Water Borne Flooring Lacquer Range

Code	Description	Code	Description
Induro XL1 - 90	Gloss	Induro XL1 - 30	Semi Matt
Induro XL1 - 50	Satin	Induro XL1 - 10	Matt

Technical Data	<p>The Induro XL1 Range is based on a fully cross-linked single pack (1K) polyurethane technology offering enhanced performance characteristics compared with other Single Pack systems. Since these products are supplied fully cross-linked there are no pot-life limitations This product range is ideal for use in areas of medium to high traffic.</p> <p>These products are not suitable for areas where high levels of water are present, for example bathrooms and swimming pool walkways etc.</p>
Properties	<p>The Induro XL1 lacquers provide extremely strong yet flexible coatings offering outstanding chemical and mechanical resistance. When used in conjunction with either Induro GP or Induro EB Seal they produce finishes with excellent clarity and woodwarming.</p> <p>Induro XL ranges anti-bacterial properties offer protection against E-coli.MRSA, Salmonella, Listeria and other harmful bacterial with a 99% kill rate within 24 hours.</p> <p>This Range typically reaches full cure with optimum performance faster than moisture or oxygen cross-linking systems and offers excellent durability and yellowing resistance.</p>
Recommended use	<p>The Induro XL1 range is suited for internal soft and hardwood flooring for both domestic and a wide range of commercial applications such as shops, offices, restaurants and public buildings with medium – high traffic.</p> <p>Details/guidance on recommended finishing processes and systems are provided in the Morrells Induro flooring Brochure.</p>
Mixing Guidelines	<p>Supplied ready for use (RFU) but can be thinned with water up to a maximum of 2%, if required.</p> <p>In winter months thinning to this degree is not recommended and may result in poor film formation.</p>
Application	<p>For best results the application should be carried out using a Short Mohair or similar type roller. Mohair Flooring pads or T-bar applicators can also be used. Lacquer should be applied evenly making smooth passes with the roller/pad predominantly along the grain taking care to avoid 'pooling'.</p>



	The approximate single coat coverage of the lacquer is 8 - 10 m ² per litre, this however is dependant on the method of application, porosity of the timber and type/desired finish.
Handling	<p>These lacquers should ideally be used (lacquer & application area) at temperatures above 15°C, to prevent problems of film formation and “whitening”.</p> <p>Touch Dry: 20 - 30 minutes @ 18°C Sandable: 2-3 hours @ 18°C. Recoatable: 2-3 hours minimum @ 18°C</p> <p>Induro XL1 will accept light traffic use 24hours after application.</p> <p>Do not to place furniture or move furniture across the floor surface for at least 72 hours after application.</p> <p>Do not place mats or rugs on surface for at least 5 days after application, as this will impede final cure.</p> <p>These times will be extended under conditions of low temperature and/or of high humidity.</p>
Cleaning	Application equipment should be cleaned with water immediately after use.
System Guidelines	<p>Morrells recommends the following guidance for use of this product range:</p> <p>Typical Domestic Finish: 1 coats at 130 - 150mls/m² per coat of Induro GP or EB Seal (Dry Film Thickness ~ 42µ per coat), 2 coats at 100 - 120mls/m² per coat of Induro XL1 Lacquer (Dry Film Thickness ~ 30 - 35µ per coat).</p> <p>Typical Commercial Finish: 1 coats at 130 - 150mls/m² per coat of Induro GP or EB Seal (Dry Film Thickness ~ 42µ per coat), 3 - 4 coats at 100 - 120mls/m² per coat of Induro XL1 Lacquer (Dry Film Thickness ~ 30 - 35µ per coat).</p> <p>Using these products in systems outside these guidelines can lead to immediate and latent problems with the integrity of the finish.</p>
Maintenance	<ul style="list-style-type: none"> o The use of good quality entrance mats and furniture pads are recommended to avoid damage to the finish. o Should a liquid spillage occur all excess liquid should be wiped up and removed immediately and not allowed to dwell on the surface. Similarly, spillages of hot or cold cooking oils or fats should be wiped up and removed without delay. o Sweep or vacuum with a hard-floor attachment as often as possible. As and when required, use a lightly damped mop on the surface. o Wet cleaning and vacuuming should be avoided until the lacquer has reached full cure – approx 7 days after application. o Pets can also traffic grit and dirt on to a floor. Pets claws should be trimmed regularly to reduce scratches/indentation to the finish. <p>Induro Floor Cleaner (cleanse) should be used for routine cleaning to maintain the appearance of floors finished with these lacquers.</p>



	<p>Induro Floor Reviver (revive xl-10 or revive xl-30) is recommended for use to revitalise the appearance of flooring damaged by scratch and scuff marks. For best results it is advisable to lightly de-nib the flooring with a Red Scotchbrite, then wipe clean using Cleanse prior to the application of the Floor Reviver, this should be left for 1 hour before buffing. Alternatively the Floor Reviver can be applied direct to the flooring and left for 1 hour before buffing.</p> <p>Refer to the induro Wooden Floor Maintenance Guide for information on cleaning and reviving.</p>
<p>Important Information</p>	<ul style="list-style-type: none"> ➤ Do not use in areas of high humidity or condensation. ➤ Only Morrells standard range of LF stains are recommended under XL ranges. ➤ Leave adequate time between coats. Do not apply more than 3 coats in one day. Denib between coats to aid adhesion. ➤ Excessive coating weights can lead to cracking or lifting. ➤ Do not overcoat with solvent borne products. ➤ Avoid contact with iron, copper, zinc, aluminum and platinum as these can attack the aqueous polymer. ➤ Waterborne products should have nominated finishing equipment. ➤ When coating darker timbers, such as walnut, mahogany or teak, slight bleaching may occur. ➤ Product should be stored above 5°C and protected from frost. ➤ Optimum application is achieved between 18°C and 22°C with good air movement and ventilation. ➤ Finished products should not be subjected to environments with temperatures of < 2°C. ➤ In scope of 2004/42/EC.
<p>Health & Safety</p>	<p>Reference should be made to the appropriate MSDS for this product range, which can be found at www.morrells.co.uk</p> <p>The use of appropriate personal protection equipment (PPE) is recommended.</p> <p>These products are intended for professional use only.</p>

The information provided on this information sheet is based on the best of our knowledge and experience, is given in good faith and should only be regarded as recommendations. No guarantee should be inferred and customers are advised to carry out their own tests under local conditions.

For further technical information contact our Technical Support Team on 0161 406 5300.





SAFETY DATA SHEET
INDURO XL1 WATERBORNE FLOOR FINISH

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name INDURO XL1 WATERBORNE FLOOR FINISH
Product No. 8GL/284 8SA/284 8SM/284 8MA/284

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier: Morrells Woodfinishes Ltd
Wellington Works
Mill Lane, Woodley
Stockport
England
SK6 1RN
0161 406 5300
0161 406 6276
enquiries@morrells.co.uk

1.4. Emergency telephone number

0161 406 5300 DURING OFFICE HOURS

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical	Not classified.
Health	Not classified.
Environmental	Not classified.

Classification (1999/45) Not classified.

2.2. Label elements

Supplemental Label Information

EUH210 Safety data sheet available on request.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

3-BUTOXYPROPAN-2-OL	1-5%
CAS-No.: 5131-66-8	EC No.: 225-878-4
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548) Xi;R36/38

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

INDURO XL1 WATERBORNE FLOOR FINISH

Inhalation.

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Protective Equipment



Engineering Measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.

Respiratory Equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand Protection

Use suitable protective gloves if risk of skin contact.

INDURO XL1 WATERBORNE FLOOR FINISH

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

Road Transport Notes	Not Classified
Rail Transport Notes	Not classified.
Sea Transport Notes	Not classified.
Air Transport Notes	Not classified.

14.1. UN number

14.2 UN Proper Shipping Name

14.3 Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date	22/02/2016
Revision	2
Supersedes Date	16/12/2011
Risk Phrases In Full	
R36/38	Irritating to eyes and skin.
Hazard Statements In Full	
H315	Causes skin irritation.
H319	Causes serious eye irritation.



**SAFETY DATA SHEET
XL REVIVE 10 and 30**

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name XL REVIVE 10 and 30
Product No. 8RE/131, 8RE/133

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial wood coating.

1.3. Details of the supplier of the safety data sheet

Supplier: Morrells Woodfinishes Ltd
Wellington Works
Mill Lane, Woodley
Stockport
England
SK6 1RN
0161 406 5300
0161 406 6276
enquiries@morrells.co.uk

1.4. Emergency telephone number

0161 406 5300 DURING OFFICE HOURS

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical	Not classified.
Health	Not classified.
Environmental	Not classified.

Classification (1999/45) Not classified.

2.2. Label elements

Supplemental Label Information

EUH210 Safety data sheet available on request.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

1-METHOXY-2-PROPANOL	1-5%
CAS-No.: 107-98-2	EC No.: 203-539-1
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H336	Classification (67/548) R10 R67

3-BUTOXYPROPAN-2-OL		1-5%
CAS-No.: 5131-66-8	EC No.: 225-878-4	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548) Xi;R36/38	

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Skin Contact

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Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Eye Contact

Spray and vapour in the eyes may cause irritation and smarting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Not regarded as dangerous for the environment.

12.1. Toxicity**12.2. Persistence and degradability****12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects**

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

Road Transport Notes Not Classified

Rail Transport Notes Not classified.

Sea Transport Notes Not classified.

Air Transport Notes Not classified.

14.1. UN number**14.2 UN Proper Shipping Name****14.3 Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date 22/02/2016

Revision 2

Supersedes Date 19/12/2011

Risk Phrases In Full

R10 Flammable.

R36/38 Irritating to eyes and skin.

R67 Vapours may cause drowsiness and dizziness.

XL REVIVE 10 and 30

Hazard Statements In Full

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.