

**FACT SHEET**

**WASTE DISPOSAL**



Waste disposal -  
Superwool<sup>®</sup> products  
may be disposed of in  
non-hazardous waste landfill

**In practice, Superwool<sup>®</sup> users should experience no difficulty or increased costs for disposing of waste fibre.**

**This is a clear benefit for Superwool<sup>®</sup> product users compared with RCF users.**



## **Waste disposal - Superwool® products may be disposed of in non-hazardous waste landfill**

### **Key points summary**

- Disposal of waste materials in EU Member States is controlled by implementation of a number of Directives.
- Wastes containing more than 0.1wt% of (RCF) are classified hazardous under Directive 91/689/EC. RCF wastes from manufacture and use are required to be handled and disposed of by a licensed waste contractor in an appropriately licensed hazardous waste landfill. Directive 1999/31/EC enables such wastes to be disposed in a non-hazardous waste landfill provided that leaching tests have shown there is no risk of soil or ground water contamination.
- As responsibility for the implementation for EU waste Directives lies with the individual member states, local regulations are not harmonised and waste disposal restrictions vary widely from country to country.
- In practice, many RCF users have experienced significantly increased costs because local waste disposal sites are not licensed to or prepared to accept hazardous wastes.
- Waste containing Superwool® fibre products may be disposed in a non-hazardous waste landfill.
- Superwool® products that do not contain an organic binder may be considered as waste glass-based fibrous materials (European Waste Code 10 11 03).

In practice, Superwool® users should experience no difficulty or increased costs for disposing of waste fibre.

**This is a clear benefit for Superwool® product users compared with RCF users.**

### **Some examples in different countries**

1. Superwool® product waste is considered inert waste in Germany and can be disposed of in a landfill designated for non hazardous waste according to the landfill ordinance (DepV) §6 and 7 and under §3 of the waste storage ordinance (AbfAbIV).
2. In the UK, the Environment Agency clearly suggests that Superwool® products are considered as waste glass-based fibrous materials as long as they do not contain any organic binder or are not contaminated by other hazardous material.
3. In France Directive 1999/31/EC1 has not yet been implemented. However an “Arrêté” from 30<sup>th</sup> December 2004 indicates that inert wastes can be stored in an industrial inert waste landfill as long as they meet the leaching testing limits referred to in its appendix 2.

## Guidelines for handling and disposing of Superwool® product waste

- Handle the waste with care so that it does not spread. Wetting (dampening only) the waste helps to minimise dust emission.
- Do not allow the waste to accumulate around the workplace.
- In the workplace, dispose of the waste in a suitable closed container or plastic bag as soon as it is produced.
- When full, seal containers or plastic bags before removing for disposal.
- Leaching tests may be required to show that waste will not pollute groundwater or soil. Superwool® product wastes may contain organic materials and/or other contaminants.
- Do not mix Superwool® product waste with hazardous waste.
- The responsibility for waste disposal or treatment remains with the waste producer. In most jurisdictions, records must be maintained and provided by the waste contractor / transporter to the landfill to verify disposal.
- Ensure written confirmation is received from the disposal company verifying that the waste has been disposed of properly.
- Superwool® product waste may have been contaminated by hazardous substances during its normal use. In such cases expert guidance should be sought.



# Superwool® Plus™

## Insulating fibre

### Features

### Benefits

An engineered solution (unique)

Takes insulation beyond normal performance

Patented technology

Proven chemical formulation

High temperature insulating wools (Superwool® range of products) not classified according to European Regulation (EC) 1272/2008

Restrictions on use do not apply. No special requirements for dust control, can be supplied to the general public and considered as non-hazardous waste for disposal

Lower thermal conductivity

Improves insulation by 20%

Up to 30% more fibres

Efficient prevention of heat transfer and greater strength

Less shot

Cleaner workplace

High Fibre Index

Up to 20% reduction in thermal conductivity giving energy saving

Stronger with good handleability (no tearing)

Ease of installation saving time and waste

Improved handling

Operator satisfaction

Soft & smooth feel

Less mechanical skin irritation

Consistent use of pure raw materials

Higher classification temperature, low shrinkage and consistent quality

Lower density grade for the same result

Material weight savings up to 25%

Thinner lining for the same result

Create more working space within unit

Resistant to vibration

Allows long lifetime under vibration conditions where other products fail

An environmental solution

Potential savings on waste disposal

Worldwide production

Availability

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SUPERWOOL® is a patented technology for high temperature insulation wools which have been developed to have a low bio persistence (information upon request). This product may be covered by one or more of the following patents, or their foreign equivalents:

SUPERWOOL® PLUS™ products are covered by patent numbers:  
US5714421, US5994247, US6180546, US7259118, and EP0621858.

SUPERWOOL® 607HT™ products are covered by patent numbers:  
US5955389, US6180546, US7259118, US7470641, US7651965, US7875566, EP0710628, EP1544177, and EP1725503

A list of foreign patent numbers is available upon request to The Morgan Crucible Company plc.

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