

May 2012

DATA SHEET

Thermelt Knot filler 134 series

Thermelt 134 is filler made from polyamide with a short hardening time, a product specially made for the wood industry

It has an excellent setting on many types of wood surfaces (pine, beech, oak etc.)

This product is particularly suitable for fillings and repairs in the wood industry because it stays a little flexible even after hardening.

COMMERCIAL FORM

* Granulate and extruded forms with a diameter of 43, 26 and 12mm.

PHYSICAL FORM

* Colour	Mahogany, Walnut, Black, Pine, Pine light, Ash, Yellow and Grey.
* Density	0.98
* Softening range	120-130°C
* Elongation at 23°C	100-200 %
* Tensile strength at 23°C	5.5 – 7.0 MPa
* Opening time	10-40 sec.
* OAR – code	00-3 (1993)

USE

- * Recommended working temperature 160°C.
- * Shoot the Knot filler into the damage with a knot filler gun.
- * Cool down the repair with a cooling iron for a short while.
- * When cold remove surplus filler with a cutting tool or a chisel.
- * After sanding, the repair is ready for treatment.

NOTICE!

- * The bag must be sealed very well after use.

PACKAGING

- * 25 Alu bags in one carton box (12mm) or 20kg in one sack (granules)

SAFETY DATA SHEET

According to Directive 1999/45/EC and Regulations (EC) Nos 1272/2008 and 1907/2006 (REACH)

Issued: May 2012

1. IDENTIFICATION

Product name: Thermelt 134

Use: For filling and repair of wood, such as pine, birch etc.

Packaging: 25 Alu bags in one carton box

Supplier: BØGH CONSULT DENMARK A/S
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2. HAZARDS IDENTIFICATION

Safety/dangers: None in solid form. Burn hazards when melted (according to our knowledge the fumes coming from the material when applied do not show any danger). Nevertheless, we recommend use of ventilation at the working place. See §8.

OAR-code: 00-3 (1993)

3. COMPOSITION – INFORMATION ON INGREDIENTS

Chemical name: Polyamide

4. FIRST AID MEASURES

In general: Burn hazards when melted (according to our knowledge the fumes coming from the material when applied do not show any danger).

Inhalation: Seek fresh air if you feel discomfort. See a doctor if you continue to feel discomfort.

Skin contact: With melted product, rinse with plenty of cold water until pain disappears and continue another 15 min. Do not remove/tear off burnt product, moisturize skin with non-perfumed cream - see a doctor in case of severe burns.

Eye contact: With melted product, rinse with plenty of cold water immediately. See an ophthalmologist and continue rinsing during transport.

Ingestion: Not concerned.

5. FIREFIGHTING MEASURES

Extinguish media: All media are usable. Avoid using water jet as it may spread the fire.

Specific dangers: In case of high temperatures hazardous decomposition products may occur – Carbon dioxide, carbon monoxide, nitrogen oxides, sulphur oxides, dust and fumes.

Protection: Use protection clothes and self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Protection person:	Not concerned.
Environment:	Not concerned.
Cleaning methods:	Gather spillage into waste drums or plastic bags.

7. HANDLING AND STORAGE

Handling:	This product slightly absorbs moisture from the air, which may cause foaming when the resin is melted and may result in adequate bonds. Partially used bags should be closed tightly or the remaining resin should be transferred into an airtight container and kept in a cool dry place.
Storage:	Keep in a dry place. Room temperature between 5° - 20°.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control:	No control necessary if Thermelt knot filler is used according to section 1.
Exposure limits:	No exposure limits for Thermelt knot filler.
Tech. measures:	Ensure effective ventilation. Ensure easy access to water and eye rinsing bottle (only melted product)

Personal equipment

General:	In the event that the working process is covered by the Directive for Work with OAR code numbered products (Labour Inspectorate Directive no. 302/1993) the personal measures must be chosen accordingly. See OAR code number in the Section 2 Hazard identification.
Inhalation:	Ensure process ventilation of working area.
Hand:	We recommend use of non-fusible gloves.
Eye:	Not concerned.
Skin:	We recommend use of non-fusible working clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Granules or sticks.
Colour:	Mahogany, Walnut, Black, Pine, Pine light, Ash, Yellow and Grey.
Smell:	Low.
OAR code:	00-3 (1993).
PH:	Not concerned.
Boiling range:	Not concerned.
Softening point:	120-130° C.
Flash point:	>250° C.
Auto ignition temp:	>250° C.
Explosion hazard:	None.
Solubility (water):	Non-soluble.

10. STABILITY AND REACTIVITY

Stability: The product is stable if handled as described in Section 7.
Incompat. material: In some cases Thermelt may be affected by 2-K lacquers.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not concerned.
Long-term effects: Not concerned.

12. ECOLOGICAL INFORMATION

Data not available.

13. DISPOSAL CONSIDERATIONS

The product is considered non-dangerous waste.
Gather residues into waste containers. Destroy according to the rules given by the local/national authorities.

14. TRANSPORT INFORMATION

Non-dangerous product.

15. REGULATORY INFORMATION

Labour Inspectorate (LI) Directive no. 301 dated May 13th 1993 on clarification of OAR Code numbers.

16. OTHER INFORMATION

Personnel to be instructed in correct use of the product. Personnel must read this safety data sheet before using the product.

To the best of our knowledge the information given herewith is accurate. However no liability what so ever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards that exist.

Issued by:
Susanne Bøgh