January 2017

# DATA SHEET

## BCD360 Knot Filler gun

BCD 360 Knot Filler gun is a professional heating gun specifically developed for Thermelt Knot Filler. With its power consumption of 300W and high performance it is perfect for using at the production site.

The Knot Filler gun has an adjustable external temperature indicator which makes it easy to adjust the correct temperature simply by turning the button. The applicator is pre-adjusted at 190°C.


**TOOL SPECIFICATIONS**

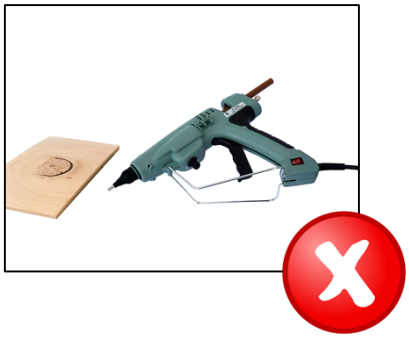
| | |
|---|---|
| * Colour | Green |
| * Weight | 600g |
| * Operating voltage | 230V / 50Hz |
| * Power | 300W |
| * Isolation | I, IP30 |
| * Operating temperature | 140-230°C |
| * Heating time | approx. 7 minutes |

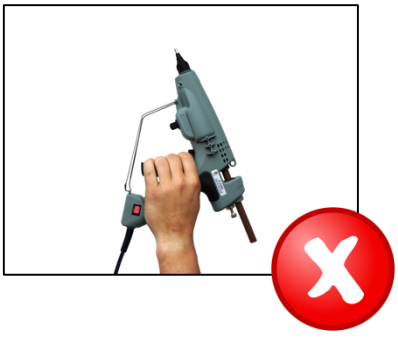
**IMPORTANT INFO**

* Avoid contact with the nozzle and the melted Knot Filler as they reach high temperatures.
* Never lay the BCD360 Knot Filler gun on the side.
* Never point the BCD360 Knot Filler gun in an upright position.
* Never pull out the stick of the BCD360 Knot Filler gun.
* The BCD360 Knot Filler gun must stand still on a flat platform and cool down completely before it is put away.
* Tighten the nozzle at least once a week.

**SPAREPARTS**

* Nozzle D 1,5mm
* Nozzle D 3,0mm (standard)
* Metal stand





# SAFETY DATA SHEET

## BCD360 Knot Filler gun

According to 73/23/EC, 93/68/EC and 93/465/EC

Issued: January 2017

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

**1.1 Product identifier**
Product name: BCD360 Knot Filler gun

**1.2 Relevant information of the substance/mixture and uses advised against**
Use: For application and melting of Thermelt Knot Filler

**1.3 Details of the supplier of the Safety Data Sheet**
Supplier: Wood Repair by Boegh Consult A/S
Charles Lindberghs Vej 6
DK-9430 Vadum, Denmark
Tel: +45-9827 1919
Mail: info@woodrepair.dk
Contact person: Susanne Bøgh

**1.4 Emergency telephone number**
24H Emergency phone: (Europe) 112, (Usa, Canada etc.) 911

## 2. HAZARDS IDENTIFICATION

**2.1 Classifications of the product**
Not classified

**2.2 Classification according to CLP 1272/2008**
Not classified

**2.3 Other information/dangers:**
Safety/dangers: The Knot Filler gun is only to be used with Thermelt Knot Filler sticks according to the information of the technical specifications.
Do not use the Knot Filler gun before you are familiar with the use and possible danger hereof. Observe the normal safety measures when using electrical tools.
If the cord is damaged or cut, immediately take out the cord from the plug. Do not use until the cord has been replaced.

## 3. GENERAL INFORMATION

**3.1 Technical specifications**
BCD360 Knot Filler gun
Standard contents: Knot Filler gun, extra nozzle, user manual
Dimensions: 290x230x55mm
Net weight: 600g
Operating voltage: 220 - 240 V, 50 Hz
Power: 300W
Insulating class: Class I
Working temperature: 140 - 230°C, pre-adjusted for 190°C
Controlled external temperature regulator
Thermelt Knot Filler sticks 12mm

**3.2 Functional description**
Knot Filler gun for use with Thermelt Knot Filler sticks

## 4. SAFETY AND FIRST AID MEASURES

### 4.1 Description of 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.

### 4.2 General information

The Knot Filler gun is only to be used with Thermelt Knot Filler sticks according to the information of the technical specifications.
Do not use the Knot Filler gun before you are familiar with the use and possible danger hereof.
Observe the normal safety measures when using electrical tools.
If the cord is damaged or cut, immediately take out the cord from the plug. Do not use until the cord has been replaced.
Never dismount the gun by pulling the cord.

### 4.3 Possible danger areas

**Please read the following information thoroughly to avoid personal or material damages!**
**Danger of burn**:
The nozzle (1) and the melted Knot Filler can reach temperatures of more than 200°C. Avoid contact and use protective gloves if necessary.
**Odour**: Unpleasant odours can occur when using Knot Filler. Incorrect use can in some cases cause irritation. Always have the necessary ventilation.

### 4.4 Safe use

**In order to protect against malfunctions and mal-operation, always follow the following info:**

- Remove combustible or heat-sensitive objects from the vicinity of the nozzle (1).
- The warmed-up device must be placed on its stand. It must never be placed on its side.
- Never operate the trigger (3) with excessive force.
- Protect the device from moisture and wetness (electric shock protection).
- Observe information contained in the hot-melt adhesive processing sheet (processing error avoidance).
- If working above head height, ensure that drops do not form to protect against burns to personnel or working equipment.
- Always remove the power cable before carrying out any work to the device (maintenance, cleaning)
- The device may only be operated on sockets with a protective earth.
- Any extension cables must also be provided with a protective earth. Check that the extension cable is in good condition before use.
- Always remove the mains plug after use. Allow the device to cool down completely before storing it.
- If you observe damage to the device or the power cable, remove the mains plug immediately. Ensure that the device is checked immediately by an electrician. It may only be put into operation when the damage has been repaired.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

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

### 5.2 Special hazards arising from the substance/mixture

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

### 5.3 Advice for firefighters

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

## 6. TROUBLE SHOOTING

List of possible fault indications and assistance in trouble-shooting:

| Fault | Possible cause | Measures to be taken |
|---|---|---|
| None or too little Knot Filler though the heat-up time has been observed | 1. Foreign object in the nozzle?<br>2. Low Knot Filler temperature | 1. Replace the nozzle<br>2. Check temperature setting |
| Knot Filler is too thin or too viscous | Temperature of the Knot Filler is too low or too high | Check temperature setting |
| Leaking nozzle | Foreign object in nozzle | Replace nozzle |
| Knot Filler contains brown/black flakes | 1. The Knot Filler was heated over recommended temperature<br>2. The Knot Filler was heated for too long and is coked | 1. Lower the heating temperature<br>2. Lower the heating temperature during work breaks |
| The BCD360 does not heat up | Device is switched off | 1. Check power supply<br>2. Check that On/Off switch illuminates |

## 7. REPAIRS

7.1 Repairs should only be carried out by trained electricians.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters**

Exposure limits: None. Check exposure limits for the used Thermelt Knot Filler/adhesive.

DNEL/PNEC -

**8.2 Exposure controls**

Tech. measures: Ensure effective ventilation. Process ventilation recommended.

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.
Smoking, eating or drinking, as well as storage of tobacco, food and drinks not allowed in working area. Wash hands and other exposed areas with mild soap and water before ingestions of food and beverage or smoking, as well as at the end of work. Ensure access to eye rinsing bottle and emergency shower (relevant for melted product). Avoid contact with skin and eyes of melted product.

Personal means: Personal means to be chosen in accordance with current CEN standards and in cooperation with the supplier of personal means.

Hand: We recommend use of non-fusible gloves.

Skin: Standard non-fusible working clothes.

Environment Never throw electrical tools in the domestic waste. According to the European directive 2002/96/EC for used electric and electronic devices and according to national regulations, used electric tools must be collected separately and treated in an environmentally compatible way for re-use.
Packing material can be recycled completely.

## 9. WARRANTY

The device has been developed and manufactured using state-of-the-art technology. We offer all original purchasers a warranty corresponding to the statutory requirements for function, material and manufacture. Normal wear and tear is excluded.
The warranty ceases if incorrect handling, application of force, repair by third parties and fitting of non-original spare parts is determined.

The warranty will be carried out as a replacement or repair from our side. Warranty beyond this will be denied as we are unable to check the handling of the gun nor the types of adhesives used in the gun.

[1] See Page 1 – "IMPORTANT INFO" and photos for guiding.

## 10. CONFORMITY DECLARATION

We, Wood Repair by Boegh Consult A/S, Charles Lindberghs Vej 6, 9430 Vadum, hereby declare that BCD360 Knot Filler gun complies with following regulations:

**IEC CISPR14**
**IEC 60335**
**IEC 60204**
**IEC 61000**
According to the EU Directive:
Waste Electrical and Electronic Equipment (WEEE) – Directive 2002/96/EC.

This Knot Filler gun is not intended to be used by persons (including children under 18 years) with limited physic, emotional or mental capacities or persons who have not been advised by a responsible person how to use the Knot Filler gun. Children are not allowed to play with the Knot Filler gun. The Knot Filler gun is only to be used with recommended Thermelt Knot Filler. If used with other adhesives there is a risk of toxic fumes or destruction of the Knot Filler gun.

## 11. DISPOSAL CONSIDERATIONS

### 11.1 Waste treatment methods

Never throw electrical tools in the domestic waste. According to the European directive 2002/96/EC for used electric and electronic devices and according to national regulations, used electric tools must be collected separately and treated in an environmentally compatible way for re-use.
Packing material can be recycled completely.

## 12. TRANSPORT INFORMATION

Non-dangerous product.

| | ADR/RID | IMDG/IMO |
|---|---|---|
| **12.1 UN-number** | - | - |
| **12.2 UN proper shipping name** | - | - |
| **12.3 Transport hazard class(es)** | - | - |
| **12.4 Packing group** | - | - |
| **12.5 Environmental hazard**<br>**MP**<br>**EMS** | <br>-<br>- | <br>-<br>- |
| **12.6 Special precautions for user** | - | - |
| **12.7 Transport in bulk according to Annex II of Marpol 73/78 and the BIC Code** | - | - |
| **Other information** | - | - |

## 13. REGULATORY INFORMATION

**13.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
EEC Council Directive 73/23/EEC of 19 Feb 1973 Low Voltage Electrical Equipment:
EEC Council Directive 93/68/EEC of 22 July 1993 CE Marking Directive
EEC Council **Decision 93/465/EEC** of 22 July 1993: modules for conformity assessment procedures and rules for CE conformity marking
Labour Inspectorate (LI) Directive no. 292 dated April 26th 2001 on Work with substances and material (chemical agents) with changes.
Directive no. 559 dated July 4th 2002 on Specific obligations for producers, suppliers and importers of substances and material in accordance with the Working Environment Act.
LI-Directive no. 507 dated 17th May 2011, with changes.
LI- Directive no. 239 dated April 6th 2005 on Youth workers, with changes.
LI-Guidance no. 1309 dated 18th December 2012 on waste disposal.
Directive no. 48 dated January 13th 2010 on Waste disposal.

## 14. OTHER INFORMATION

**14.1 Full wording of H-sentences in section 3:**
None mentioned

Personnel to be instructed in correct use of the product. Personnel must read this Safety Data Sheet before using the product including the Technical Data Sheet.

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