



S760

Product Description

Features

S760 is a one-component solvent based parquet adhesive dissolved in organic solvents, primarily acetone and ethanol, which conforms to DIN 281 with low solvent content. Due to its relatively long open time it is particularly suitable for laying complicated technically difficult floors. The hardened adhesive is hard plastic.

- Easy to apply
- Firm texture – retains trowel pattern
- Rapid setting
- Good open time

Technical Data

Product type:	Solution of polyvinyl acetate and modified natural resins
Colour:	White-yellow
Viscosity:	Easy to apply - stable
Density:	1.5 g/cm ³
Cleaning agents:	S100, acetone, ethanol
Storage / transport:	The temperature must not fall below +5°C or exceed +25°C during storage and transport. Store in a dry, well ventilated place.
Shelf life:	6 months. If the product has settled out after longer storage times, stir thoroughly prior to use.
Pack size:	25 kg buckets (33 per pallet); 15 kg buckets (45 per pallet)
Flash point:	< 23 °C

Safety

Flammable.

Keep away from children. Keep container well sealed. Store container in well ventilated places. Keep away from ignition sources. Don't inhale vapours. Take measures against electrostatic charging.

Additional detailed information is noted in the appropriate Safety Data Sheet.



S760

Sitework

Surface preparation

The substrate must be even, totally dry, clean, free from cracks and physically sound. The surface should also be slightly textured. If necessary it should be professionally prepared for laying. It is recommended that all substrates are primed with S520 or with diluted adhesive (1 part S760; approx. 2 parts S100). N.B. Avoid the formation of pools on the surface. Floors with underfloor heating must be primed. Uneven floors should be levelled with H600, H620 or H630.

Suitable substrates (also in association with underfloor heating) are:

- Cement/sand screeds
- Floors levelled with cement based levelling compounds (at least 2 mm thick)
- Calcium sulphate (anhydrite) based floors
- Mastic asphalt floors
- Chipboard (V100)

Application

Before using the adhesive the following climatic conditions must be met (values for Central Europe):

- Air temperature: min. 18°C
- Floor temperature: min. 15°C (with underfloor heating max. 20°C)
- R.H: max. 70%

The adhesive itself must, if necessary, be brought to the right temperature and stirred before use. The adhesive should be applied evenly using a notched trowel appropriate to the flooring being laid (see next page). Application should be made to an area not bigger than that which can be worked in approx. 15 minutes. During this time the parquet should be laid on the adhesive and pressed down firmly.

After 24 to 72 hours it is possible to apply load or stress to the floor. Sanding and the application of a surface coating may be carried out after 3-10 days depending on the type of parquet, absorbency of the substrate and room climate.

Application / Parquet types

Depending on the expected average conditions the parquet needs, for the best adhesion, the correct moisture content of the wood to be selected. Solid wood parquet should be slightly more humid whilst multi-layered or pre-finished parquet should be slightly drier. E.g. in Central Europe average room conditions of 20°C and 50 % relative air humidity can be expected. Solid wood parquet shall have therefore, in general, an average humidity of 9 % whereas multi-layered and pre-finished parquet shall have 8 % - +/- 2 %. Where doubts exist, avoid too dry material.

Please also refer to the instructions for use provided by the parquet manufacturer.

Bona 850 F Bona 850 G

Consumption approximately 850 g/m²:

- Mosaic parquet
- Single layered pre-finished oak parquet or other similar timbers

Bona 1000 F Bona 1000 G

Consumption: approximately 1 000 g/m²:

- 10 mm solid parquet (max. dimension: 5 cm x 25 cm)
- Wood block paving (DIN 68702 RE) up to 40 mm in thickness
- 22 mm strip flooring
- 2 layered pre-finished parquet
- 3 layered pre-finished parquet - strips (from 10 mm in thickness/shorter than 120 mm), boards (thicker than 13 mm)

Bona 1250 F Bona 1250 G

Consumption: approximately 1250 g/m²:

- End grain
- Wood block paving (DIN 68702 RE or WE)
- 22 mm strip flooring
- 3 layered pre-finished parquet, boards (thicker than 13 mm)

Use a fine trowel for small pieces of wood and/or smooth substrates, and a coarse trowel for large pieces of wood and/or less smooth and rough surfaces.

(F= fine, G = coarse)

Safety

Flammable.

Keep away from children. Keep container well sealed. Store container in well ventilated places. Keep away from ignition sources. Don't inhale vapours. Take measures against electrostatic charging.

Additional detailed information is noted in the appropriate Safety Data Sheet.

Date of issue: 12.07.2004 Replaces Data Sheet of : 28.11.2002

"*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



1 Identification of Substance / Preparation and Company

1.1 Identification of Substance or Preparation

Trade Name : BonaBond S 750 RS / S 760 RSO / S 761 RSO

Article No. : n.av.

Preparation No. : n.av.

1.2 Use of the substance / preparation:

Adhesive

1.3 Company / Supplier Identification

1.3.1 Address of the Company / Supplier:

Bona GmbH, Jahnstraße 12, D - 65549 Limburg

Telephone : +49-6431-4008-0, Fax : +49-6431-4008-25

1.3.2 Responsible :

Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf

1.4 Emergency - Telephone

Information Centre Specialising in Symptoms of Poisoning

Telephone : ++49 - 761 - 19 240

Emergency - Telephone of Company / Undertaking

Telephone : +49-6431-4008-0

2 Composition / Information on Ingredients

2.1 Chemical Characterisation:

Synthetic resin(s) and pigment(s) in organic solvents

2.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
67-64-1	606-001-00-8	200-662-2	Acetone	15 - 20%	F, Xi	R 11-36-66-67
64-17-5	603-002-00-5	200-578-6	Ethanol	3 - 5%	F	R 11

Remarks: Classification and labelling of a product is indicated under item 15.

3 Hazards Identification

3.1 For Humans (additional information is given under item 11) :

Highly flammable. In use, may form flammable/explosive vapour-air mixture. Solvents may degrease the skin. May be harmful if swallowed. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

3.2 For the Environment :

May cause long-term adverse effects in the aquatic environment.

3.3 For Materials:

May soften plastics.

4 First Aid Measures

4.1 Inhalation:

Main symptoms Dizziness, Daze.

Move out of dangerous area. Move to fresh air. If symptoms persist, call a physician.

4.2 Skin Contact :

Wash off with soap and water.

If symptoms persist, call a physician.

4.3 Eye Contact :

Rinse immediately with plenty of water, also under the eyelids.

Obtain medical attention.

4.4 Ingestion :

Do not induce vomiting.

Clean mouth with water and drink afterwards plenty of water. Obtain medical attention.

4.5 Note to Physician:

Risk of product entering the lungs on vomiting after ingestion. Treat symptomatically.

4.6 Special Equipment:

n.av.

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5 Fire Fighting Measures

- 5.1 **Suitable Extinguishing Media** : Use dry chemical, CO₂, water spray or "alcohol" foam.
- 5.2 **Extinguishing Media to Avoid** : High volume water jet
- 5.3 **Fire and Explosion Hazards** :
In the event of fire carbon oxides may be formed.
- 5.4 **Additional Information** : Water mist may be used to cool closed containers.
- 5.5 **Special Protective Equipment** :
Wear positive pressure self-contained breathing apparatus.
Wear full protective clothing.

6 Accidental Release Measures

- 6.1 **Personal Precautions** :
See No. 8.3 Personal Protective Equipment. Ensure adequate ventilation.
Contaminated surfaces will be extremely slippery.
- 6.2 **Environmental Precautions and Methods for Cleaning up** :
Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- 6.3 **Further Information** : None

7 Handling and Storage (For national regulations refer to item 15.2)

- 7.1 **Handling**
 - 7.1.1 **Precautions for Safe Handling** :
Keep container tightly closed. Use only in well-ventilated areas.
 - 7.1.2 **Precautions in Case of Fire and Explosion** :
Keep away from sources of ignition - No smoking. Keep product and empty container away from heat and sources of ignition. Use only explosion-proof equipment. Use only in an area containing explosion proof equipment
- 7.2 **Storage**
 - 7.2.1 **Storage Instructions** :
Keep in an area equipped with solvent resistant flooring. Ensure adequate ventilation, especially in confined areas.
 - 7.2.2 **Store away from** :
Do not store together with oxidising agents
 - 7.2.3 **Further Information on Storage Conditions** :
Keep away from direct sunlight. Keep away from heat.
 - 7.2.4 **Storage Class** : 3 A (VCI - Concept)

8 Exposure Controls and Personal Protection

- 8.1 **Information on System Design** :
Provide adequate ventilation. Provide personal protective equipment.
- 8.2 **Exposure Limits**:

8.2.1 Material	Limit Value :
Acetone	OEL 500 ppm,
Ethanol	OEL 1000 ppm
- 8.3 **Personal Protective Equipment**
 - 8.3.1 **General Protection and Hygiene** :
Avoid contact with the skin and the eyes. Take off all contaminated clothing immediately.
Do not breathe vapours/dust. When using, do not eat, drink or smoke.
 - 8.3.2 **Respiratory Protection** : In case of insufficient ventilation wear suitable respiratory equipment. Filter A
 - 8.3.3 **Hand Protection** : Solvent -resistant gloves (Viton) (Viton, PVC; Permeation time > 6h)
 - 8.3.4 **Eye Protection** : Tightly fitting safety goggles
 - 8.3.5 **Skin Protection** : Protective suit
 - 8.3.6 **Further Information** : Refer to special restrictions in wearing protective equipment

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9 Physical and Chemical Properties

9.1	Appearance		
9.1.1	Form : liquid, viscous	9.1.2 Colour : off-white	9.1.3 Odour : acetone-like
9.2	Safety Relevant Data		
9.2.1	pH-value, undiluted :	n.ap.,	pH-value, 1% aqueous solution : n.av.
9.2.2	Boiling point / Boiling - range (°C) :	n.av.,	Melting point / Melting range (°C) : n.av.
9.2.3	Flash point (°C, c.c.) :	< 21	
9.2.4	Flammability (EEC A10/A13) :	n.av.	
9.2.5	Ignition temperature (°C) :	n.av.	
9.2.6	Autoflammability (EEC A16) :	n.av.	
9.2.7	Oxidising properties :	None	
9.2.8	Explosion hazard :	None	
9.2.9	Explosion limits (Vol.%) lower :	2,5, upper : 13 (Acetone)	
9.2.10	Vapour pressure :	n.av.	
9.2.11	Density (g/ml) :	1,5	
9.2.12	Solubility (in Water) :	partly miscible	Miscible with most organic solvents
9.2.13	Partition coefficient, n-Octanol/Water :	n.av.	
9.2.14	Viscosity :	>15 Pas (> 700 mm ² /s)	
9.2.15	Solvent separation test :	n.ap.	
9.2.16	Solvent content (m %) :	> 20%	
9.3	Further Data		
9.3.1	Thermal decomposition (°C) :	n.av.	
9.3.2	Vapour density (Air = 1) :	> 1	
9.3.3	Evaporation rate :	n.av.	

10 Stability and Reactivity

10.1	Conditions to Avoid : Heat, flames and sparks. Take precautionary measures against static discharges. Risk of bursting at high temperatures
10.2	Materials to Avoid : Strong oxidising agents
10.3	Hazardous Decomposition Products : No decomposition if used as directed.
10.4	Further Information : None

11 Toxicological Information

11.1	Toxicological Tests :
11.1.1	Acute Health Effects :
	Inhalation, LC ₅₀ rat, (mg/l/4h) : n.av.
	Ingestion, LD ₅₀ rat, (mg/kg) : n.av.
	Skin - contact, LD ₅₀ rat, (mg/kg) : n.av.
	Irritation (to skin / eye) : Moderate eye irritation
	Sensitisation : n.av.
11.1.2	Subacute / Chronic Toxicity :
	Carcinogenicity : n.av.
	Mutagenicity : n.av.
	Teratogenicity : n.av.
	Narcotic Effects : Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis.
11.2	Practical Experience
11.2.1	Observations relevant for classification : n.av.
11.2.2	Further Observations : Prolonged skin contact may cause skin irritation and/or dermatitis.
11.3	General Remarks : Classification of the preparation has been done by calculation in accordance with EEC directives.

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12 Ecological Information

- 12.1 **Ecotoxic Effects, Aquatic Toxicity :**
n.av.
- 12.2 **Behaviour in Sewage Works :**
Mobility and Accumulation Potential : n.av.
- 12.3 **Elimination (Persistence and Degradability) :**
Not readily biodegradable (.? % after .? days).
- 12.4 **Other Ecological Information**
 - 12.4.1 COD-Value, mg/g : n.av.
 - 12.4.2 BOD₅-Value, mg/g : n.av.
 - 12.4.3 AOX-Remarks : N.ap.
 - 12.4.4 Significant Components : None
 - 12.4.5 Other adverse effects : n.av.

13 Disposal Considerations (For national Regulations refer to item 15.)

- 13.1 **Residues**
 - 13.1.1 Recommendation : D 10 / R 1 Waste - Code - No. : 07 03 04
In addition comply with the regional authorities.
 - 13.1.2 Safe Handling: See item 7 and 15.
- 13.2 **Contaminated Packaging**
 - 13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.
 - 13.2.2 Safe Handling : As described under Residues.

14 Transport Information

- 14.1 **Transportation by Road or Railway according to ADR and RID / GGVSE**
Remarks :
 Class : 3 Classification Code : F1 Packing Group : III
 Hazard-No. : 33 UN-No. : 1133
- 14.1.1 **Instruction Concerning Shipper's Declaration and Packaging :**

Volume or Mass	Name and Description	Risklabel	Packing - Code or instruction
1, 3, 5 l metal in card board box (max. 45 l)	UN 1133 Adhesives	n.ap.	--/4G
10 l, Metall	UN 1133 Adhesives	3	0A1/Z
- 14.2 **Classification for Transportation by Inland-Navigation according to ADNO/GGVBinSch**
Remarks : Classification has not been done.
 Class : Division : Category :
- 14.2.1 **Description of Goods :**
- 14.2.2 **Remarks :**
- 14.3 **Classification for Transportation by Vessels according to IMDG/GGVSee**
Remarks :
 Class : 3 UN-No. : 1133 Packing Group : III
- 14.3.1 ***EmS-No. :** F-E, S-D
- 14.3.2 **Marine Pollutant :** No.
- 14.3.3 **Instruction for Declaration and Labelling :**
 (Packing sizes with possible exemptions not considered)
Proper Shipping Name : Adhesives
Risk Label : Flammable Liquid
- 14.3.4 **Remarks :** None

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Class : 3 UN-No. : 1133 Packing Group : III

14.4.1 Instruction for Declaration and Labelling :

(Packing sizes with possible exemptions not considered)

Proper Shipping Name : Adhesives**Risk Label :** Flammable liquid

Packing Instructions, Passenger : 309 Cargo : 310

14.4.2 Remarks : None**15 Regulatory Information****15.1 Classification according to EEC-Regulations :**

Classification required by EEC : Yes.

Hazard Identification : Highly flammable

Component(s) : Contains Acetone

R-Phrases :

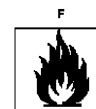
R11 - Highly flammable.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

Applicable Exemptions : No.

Hazard Symbol(s) :

**S-Phrases :**

(S2 - Keep out of reach of children.)

S16 - Keep away from sources of ignition - No smoking.

S23 - Do not breathe vapour.

Additional Markings :

15.1.1 The above mentioned labelling is valid for distribution to professional users.

Labelling (formats, exemptions, additional markings) has to be done according to respective regulations.

15.2 National Regulations

VOC-Content: n.av.

16 Other Information**R - phrases from section 2**

R11 - Highly flammable.

R36 - Irritating to eyes.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet relates to 2001/58/EEC and TRGS 220.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Prepared by : Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf, (+49-228-74 81 824

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