

# BOND-N-FLEX®

## BOND-N-FLEX

Bond-N-Flex is a revolutionary hoof Repair-Rebuild material which is economical, quick and easy to use.

Bond-N-Flex can now be used to repair all types of hoof wall cracks and avulsions and to reconstruct low weak heels and thin-walled hooves. It can be used to bond aluminum alloy, plastic or steel shoes to feet where nailing-on is limited or impossible, thus enabling horses with severe hoof problems to be kept comfortably in full work.

The compound is a non-sag, structural bonding material which when cured has the texture, strength and flexibility of a natural hoof wall. A repaired area of hoof can be nailed into and rasped as normal, and will stay bonded in place as hoof growth occurs.

The Bond-N-Flex system consists simply of a dispensing gun, a cartridge which automatically mixes the two resin components and two replaceable mixing nozzles. Application is made directly to the area to be repaired, with no waste or prior mixing. Curing time is approximately twelve minutes and there is no need for other strengthening agents such as fiberglass, Mylar etc.

### **Bond-N-Flex High-Tech Hoof Repair Instructions for use -**

**Please read carefully before starting work**

Bond-N-Flex is easy to use and has 4 main applications:

- 1) Repair of hoof wall avulsions.
- 2) Reinforcing weak hoof walls and heels.
- 3) Bonding shoes to feet where nailing is limited or impossible.
- 4) Repair of sand cracks, quarter cracks etc.

### **GENERAL INFORMATION:**

- The Bond-N-Flex system consists of a dispensing gun, a cartridge that automatically mixes the 2 resin components and two mixing nozzles.
- It is a non-sag structural bonding material with no need for other strengthening agents such as Mylar, fiberglass, etc.
- Bond-N-Flex goes off (cures) in about 12 minutes.
- In cold weather, drop the cartridge in hand-hot water for a few minutes to speed curing time. One cartridge will do a large hoof repair, e.g. hoof resection.
- Shelf life of Bond-N-Flex is minimum 1 year stored in a cool place.
- Always clean and degrease repair area prior to application of Bond-N-Flex using acetone BP and clean cloth/kitchen wipes.
- Curing temperature can reach 176°F in a large deep repair, which can cause blistering or burning in sensitive tissues if not used carefully - please follow instructions.

### **REPAIR OF HOOF WALL AVULSIONS**

- 1) Fit the shoe to where the foot should be and nail on where possible.
- 2) Remove all loose, crumbling horn from the repair area.
- 3) Clean area thoroughly with acetone.
- 4) Apply Bond-N-Flex directly to the repair area and smooth over with a wooden spatula or knife.
- 5) Bond-N-Flex will go through a color change while curing - buff to green. When the green

color dulls, the repair area can be nailed into, clenched - up and finished off.

### **NOTES:**

- 1) Don't fit the shoe too wide in trying to artificially create a balanced foot, or the new hoof wall growing down at a different angle will lever away the repair material (i.e. will grow down inside it).

- 2) If the repair is deep and close to sensitive tissue, first apply a thin layer of Bond-N-Flex, allow to cure, then apply a second layer. This will reduce the overall curing temperature

**REINFORCING WEAK HOOF WALLS AND HEELS.**

- 1) On weak feet, Bond-N-Flex can be spread over the wall of a newly-shod foot, this will add strength to the hoof wall and prevent the clenches from rising.
- 2) Flat, collapsed feet can be strengthened by the application horizontal rings of Bond-N-Flex, which will hold the foot together.
- 3) Weak heels can be rebuilt using Bond-N-Flex, first remove all loose, flaky horn, then strap a wooden block to the foot so that the horse can stand on the block with the heels off the ground.
- 4) Degrease the heel and bar area thoroughly, then apply Bond-N-Flex to rebuild heels and bars.
- 5) Allow horse to stand quietly on the block for approximately 10 to 15 minutes, to allow the Bond-N-Flex to cure, then nail the shoe on as normal.

**BONDING SHOES TO FEET**

Bond-N-Flex is a structural bonding material which will bond aluminum alloys, plastic and steel shoes to feet where nailing is limited or impossible.

- 1) Dress the foot as normal.
- 2) Fit the shoe to be applied, then clean it thoroughly with acetone and apply a layer of Bond-N-Flex about 1/4" thick. Allow to semi-cure, approximately 3 minutes.
- 3) Have an assistant lift the foot and degrease it, then apply a thin layer of

Bond-N-Flex to the bearing surface of the wall.

- 4) Apply the shoe to the foot, and if possible drive a couple of nails to hold the shoe in place while the Bond-N-Flex cures. Nails may be removed after curing.

**REPAIR OF SANDCRACKS, QUARTERCRACKS ETC.**

- 1) Work with a Veterinary Surgeon, as sensitive tissue may be involved or infection present.
- 2) Dress the foot carefully, as hoof wall cracks are often caused or aggravated by poor hoof balance, and the crack will not heal unless the underlying cause is eliminated.
- 3) Thoroughly debride the crack right back to clean white horn, following all tracks and black spots. This is essential as applying any hoof filler over an infected area will cause an abscess to build up behind the filler within hours.
- 4) Apply a piece of Elastoplast to the coronary band over the crack to protect it from the curing heat of Bond-N-Flex.
- 5) Thoroughly clean the crack and surrounding area with acetone.
- 6) Fill the crack with Bond-N-Flex, and smooth over.

**NOTES:**

- 1) In severe or complicated cases, it is advisable to leave the crack open after debriding it and dress with an antiseptic solution for 3 days. This will ensure no infection is present and allow the exposed tissue to keratinize, (harden), before applying the hoof repair material.
- 2) If this is impractical and either infection is expected or sensitive structures are involved, the following procedure is useful:
  - a. Cover the area with a thin layer of Play-Doh (modeling clay).

- b. Stick a matchstick in the top and bottom of each piece of clay.
- c. Apply Bond-N-Flex to the repair area.
- d. When the Bond-N-Flex has completely cured, remove the matchstick markers and carefully excavate a minimum 1/4" diameter hole at the site of each marker.
- e. With a 20mm syringe filled with water, flush each track until all the modelling clay has been washed out from behind the repair.

- f. This allows direct application of medication to infected areas and free drainage, and will also encourage keratinization of sensitive tissue.
- 3) Severe cracks will need further stabilizing, e.g. using a stainless steel cat or dog bone plate. This can be mounted off the hoof wall under the coronary band by applying some Bond-N-Flex on either side of the crack, seating the plate into it, then fixing it in place using 6mm self-tapping screws. Mounting the plate onto Bond-N-Flex gives the advantages of holding the plate in position while the screws are applied, gives a little scope in judging the depth of the hoof wall for screws, and secures the heads of the screws into the plate.
- 4) Bond-N-Flex will bond the shoe to the foot, so in the case of late quarter or heel cracks, to prevent this put a piece of cling-film or foil around the branch of the shoe before nailing it on. This will permit natural movement between shoe and foot, otherwise the bonding of the shoe to foot will aggravate movement of the damaged hoof wall.

Bond-N-Flex is not sold directly to farriers, it is available from most dealers specializing in the sales of horseshoes and farrier products.

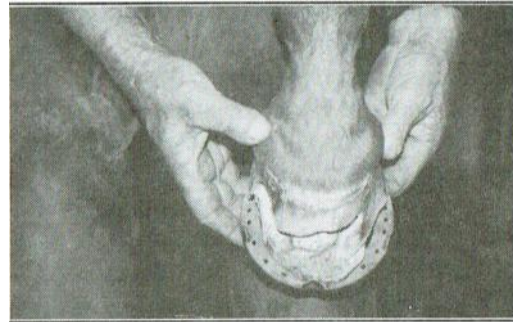
CAUTION

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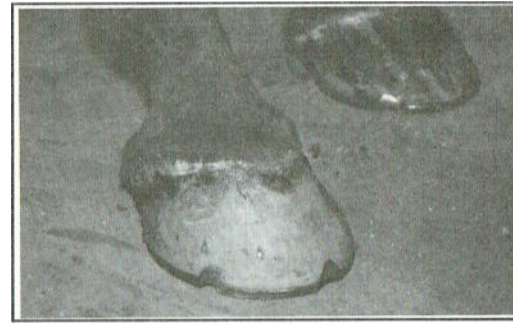
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# **BOND-N-FLEX**

## **"DIFFICULT" JOBS MADE "EASY"**



*Hoof debrided & ready to stabilize  
with Bond-N-Flex*



*Finished hoof stabilized*



*Nine months later hoof is grown out &  
healthy*

Bond'N'Flex should be used in a well ventilated area and should be kept away from sparks or open flame. Please read labels on each cartridge carefully before use. Use gloves to avoid contact with skin and cleanup problems.

**Call (800) 858-6856**

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