

# Imprint Sport Fitting Procedure

IMPRINT<sup>®</sup>SPORT



1 • The hoof is prepared by bevelling hoof edge around toe, back towards white line to accommodate rim of Imprint Sport shoe. Lower hoof is rasped and periople or soft horn are removed from heel to heel to height of rim. • Hoof is thoroughly cleaned with surgical spirit. • 3 evenly-spaced oval indentations are created, 10mm x 8mm, to a safe depth, using a 4mm high speed burr, on each side of hoof ensuring that they fall within the overall rim height of the shoe. These act as keying points and are essential for successful shoe retention.

2 • The Imprint Sport Shoe is placed, ground surface up, in a container on the support keeping it clear from the base of the container to prevent sticking. • Boiling water (100°C) is added to the container covering the white rim of the Imprint Shoe only. Softening and manipulating the foot bearing part of the shoe is liable to weaken the shoe. • The shoe is heated until the rim is translucent and malleable with a gum-like consistency for approximately 2 minutes.

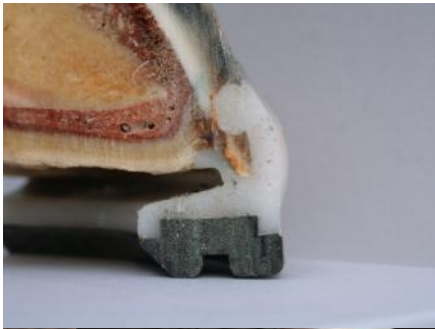
3 • Latex gloves are applied to protect hands. • Whilst the shoe is still heating, a thin layer of Imprint Structural Adhesive is applied to the outer lower hoof wall from heel to heel to the height of the shoe rim. • The hoof can now be placed on the ground.

4 • When the rim is softened it becomes translucent indicating it is malleable and ready to fit. • Shoe is removed quickly and carefully from hot water by holding frog plate. • Shoe support is peeled away from shoe, taking care not to deform the rim (inwards).

5 • The shoe is positioned centrally on hoof, the toe of the shoe in line with the hoof wall – not forward of it; the heels parallel to the hoof while ensuring contact with the frog, leaving sole seating clearance. • Hoof and shoe are cupped in both hands and with fingers lying over the shoe rim edge pressure is gently applied, ensuring an even and blended bond between hoof wall and shoe rim. • The Imprint Sport shoe rim must not be stretched up the hoof wall as this will affect shoe retention.

6 • Plastic is pressed gently into indentations with finger whilst continuing to smooth the shoe rim edge. • All indentations should be checked to ensure that they contain plastic from the shoe rim and not just adhesive – the ball and socket is an essential feature for successful shoe retention – (see photo section through hoof). • Frog contact should be checked and plastic moulded if necessary. • Ensure that there is no step between rim and hoof wall. • Heels of shoe are blended to heels of hoof before shoe hardens.

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- 7
- Section through mid point of hoof illustrating the following:
    - 'Ball and socket' keying of plastic with horn
    - Low strong shoe rim grafted on to the hoof, maintaining the original hoof dimensions.
  - Sole seating angle 10° providing 'air suspension'.
  - White upper mouldable thermoplastic layer softens at 65°C
  - Lower graphite coloured, hard wearing, flexible tread.

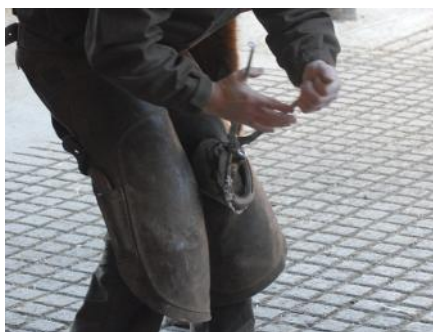


- 8
- Adequate sole seating clearance at toe is checked.
  - When satisfied with the position and fit, the shoe can be set.
  - Using Imprint Shoe Freezer, all surfaces of shoe are sprayed, taking care not to spray any sensitive parts of the horse's hoof.
  - Ensure that shoe is completely hard and white before allowing the horse to weight bear.



- 9
- Check that the shoe rim and hoof wall bond is intact with no hollows or movement.
  - A thin bead of Imprint Structural Adhesive is run around the top of the shoe rim and smoothed with finger to ensure a seal.
  - Let horse stand for at least ten minutes or until adhesive has set.
  - Fitting is complete.

## Imprint Sport Removal Procedure



- The rim is rasped away down to the horn and peeled away from the heels using hoof nippers.
- Alternatively hoof nippers can be used carefully to cut the rim away more quickly. Make sure the shoe is completely detached before attempting to peel it off, avoiding any damage to the hoof.

## Useful Tips

Ensure that the rim has grafted and bonded well to the hoof wall. • Any re-modelling or modifications to the shoe can be achieved by using a hot-air gun. • When fitting to asymmetrical or damaged hooves, where there is a deficit of horn or extra strength is required in a certain area, extra adhesive and heated Imprint Granules may be added before fitting the Imprint Sport shoe. • For shoe graduation or lift, mould and weld heated Imprint Granules onto heated foot surface and rim of Imprint Sport shoe to create desired effect. • For extra grip in icy conditions, use tungsten pins in both heels of the shoe. • Imprint Sport recommends hexagonal head studs. However, if square head studs are preferred (11mm), a 14mm washer must be placed between the shoe and the stud.

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Adviceline: 01666 822953  
Imprint Equine Foot Care  
Town Forge, High Street, Malmesbury, Wiltshire, SN16 9AT, UK.

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