

Glue-On Instruction

- Useful Tips for the Glue-On Application -

The correct use of our composite horseshoes is simple, provided you demonstrably possess the necessary skills and knowledge for this type of horseshoeing and observe a few key points.



In addition to your regular shoeing tools, you will need:

- Duplo adhesive collars (Pro / Easy) or Wolf Busch® glue-on tabs
- Make sure to choose the correct size for the Wolf Busch® tabs and pay attention to the specific instructions for the 'soft' and 'Basic' versions.
- suitable glue (depending on temperature and the horse's behavior)
- cleaner for degreasing and a lint-free cloth
- a permanent marker
- a sanding block or sandpaper
- a hot-air gun with a reduction nozzle, e.g. Steinel HeatMatic 1920 E
- gloves and appropriate safety equipment
- optional: Duplo welding device, glue-u Pre Fix Activator

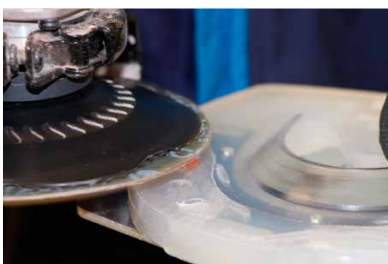
The Appropriate Combination of Shoe and Glue-On Product

Our recommendation is the Nailless model, which was specifically developed for glue-on application. Depending on the horse's hoof condition and how the horse is used, you may need a different model. In general, all glue-on collars or tabs can be combined with (almost) any horseshoe. Depending on your chosen combination of horseshoe (Standard / Extra / Regranulate) and glue-on collar (Standard / Extra) or Wolf Busch® tabs (regular / soft / Basic), you will need to adjust the rolling speed when applying the collar or tab, vary the pressure during welding, and possibly adapt the temperature of the hot-air gun.



Our Tip: The Right Adhesive Product for Your Horseshoe - a General Recommendation

Horseshoes	Adhesive Collars Easy / Pro	Wolf Busch® Glue-On Tabs
round / oval shape	well suited	well suited - please note that there are various tab sizes available
straight / open toe area	would need to be divided	
pony sizes	requires prior modification	
horseshoes with quarter clips	Split the collar into several pieces and place them in front of and behind the clips accordingly.	Cut off the largest tab and place it in front of the clips. Position the other tabs behind the clips.



(1) Preparations

- Preparing the bare hoof is done in the same way as for any other horseshoeing and must be carried out professionally.
- Choose the appropriate horseshoe based on the hoof (shape and size), the temperature (Standard or Extra), and the intended use of the horse (model).
- Fit the shoe to the hoof, leaving about 1mm of material extending beyond the hoof wall in the area where the glue-on tabs will be attached.
- Remove all knobs from the horseshoe - including from Nailless and Classic models.

(2) Welding

- Mark the correct position of the glue-on collars on the horseshoe. For Wolf Busch® tabs, the smallest tab faces the heels. The inner side facing the hoof wall can be identified by its smooth, black-coated surface, or the rough, white-coated surface in the Basic version.
- Preheat the starting area of the weld seam slightly until the plastic material begins to shine.
- Place the horseshoe vertically onto the collar. Make sure that the collar does not extend into the profile of the horseshoe and does not protrude beyond the bottom edge.
- Slowly and evenly roll the horseshoe over the glue-on collar.
- Apply a bit more pressure at the start and end points to clearly mark them.
- A small, glassy bead should be visible along the entire welding edge.
- Observe the correct temperature range of the hot-air gun: 550°C (1022°F) to a maximum of 630°C (1166°F).
- Make sure that no heat radiates onto the inner side of the glue-on tab when using Wolf Busch® tabs.



Tips for Strong Weld Seams

- For strong and even weld seams, we recommend using our welding device.
- Perform a tear test once the horseshoe has cooled down. To do this, pull on the tabs with full force.
- You can find the gluing tutorial as a video here: <https://youtu.be/zS4LvMyoArs>



(3) Checking the Fit

- Slide the horseshoe onto the hoof from the toe toward the back. If necessary, slightly bend the tabs outward.
- The front edge of the shoe should no longer be visible from above; from below, the toe should be just barely or not at all visible.
- The horseshoe should be secured well enough that you can make fine adjustments on the hoof.

(4) Further Adjusting the Horseshoe

- Slightly round off the weld edges on the bottom side.
- Add a bevel on the hoof side in the heel area to reduce the risk of the shoe being pulled off.
- If necessary, you can grind a stronger toe bevel to support easier breakover.
- Caution: You may also need to adjust the height of the tabs to fit the hoof.

(5) Final Preparations

- Roughen the hoof wall using e.g. a sanding block (grit 80-120).
- We recommend spraying the roughened hoof wall (below the coronet band) and the inner side of the tabs with Megafoam to degrease. Let the foam sit for about 30 seconds. Then wipe everything off thoroughly and wait another minute before starting the gluing process. Alternatively, you can use 99% isopropanol or another hoof cleaner. We do not recommend using brake cleaner.



Tips for Gluing

- Pay attention to the final curing time of the adhesive (approx. 24 hours).
- High humidity (rain / fog) usually does not affect the bonding quality.
- When choosing the adhesive, consider the temperature. Keep in mind that if the adhesive is left open for too long, it will absorb moisture from the air, begin to cure, and lose its bonding strength.
- To accelerate curing, you can use glue-u Pre Fix Activator.
- Detailed information is available for each product in our online shop.



(6) Glueing and Sealing

- Wear gloves and follow the safety instructions for handling the adhesive used.
- Have the opposite hoof lifted to help the horse stand calmly.
- Glue the tabs one at a time: bend the tab outward, apply a border of glue around the inside, then add a cross and four dots in the center. When gluing, remember: less is more – avoid using too much adhesive.
- Press the tab evenly from bottom to top with two fingers for about 10 to 15 seconds.
- Seal the upper edge of the tabs with a small amount of glue.

(7) Removing the Glue-On Horseshoe

- You can separate the tabs from the hoof wall using a hoof knife.
- Alternatively, you can carefully pull the tabs off the hoof with pliers.
- The choice of method depends, among other things, on the condition of the hoof.


Please refer to our safety guidelines at www.duplo-frank.de/en/safety and wear appropriate protective equipment. You'll find further details on application and potential reuse of the horseshoe online on each product page. If you have any questions or encounter specific challenges, our customer service team will be happy to assist you!

Duplo Composite Horseshoes

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