



SCREEDING SYSTEMS

STEGO BEAST® SCREED

INSTALLATION INSTRUCTIONS

SET-UP PROCEDURES

- 1)** The concrete crew responsible for placement of the concrete should be made aware Beast Screed will be utilised on the project. The placement crew should have input on, or approve of, where the Beast Screeds will be placed, the spacing and the direction of the bays (or) strips to be poured, ie: N to S or E to W.
- 2)** Stego recommends following ACI 302 to determine bay width.
 - a. For strict F, tolerance, ACI 302. 1R-15 (10.3.2) recommends using a maximum 4.9m (16 ft) screed board for hand screeding, with minimum 0.6m (2ft) of overlap onto the previously poured bay or strip, essentially leaving you with a maximum 4.3m (14 ft) bay width.
- 3)** Pulling a string line from edge form to edge form along the bay lines can be helpful to line up the Beast Screeds. It is also helpful to determine at what length to cut the Beast Screed posts. (See illustration 1a)
 - a. Note: The step of pulling a string line is only an aid and can be omitted if determined by the pour crew or set-up crew.
- 4)** Next, determine the spacing for Beast™ Foot. (See illustration 1b)
 - a. Spacing should be equal to or less than the length of the screed board being used. Keep in mind Beast Screed is a point-to-point Screed Guide System.

Illustration 1A

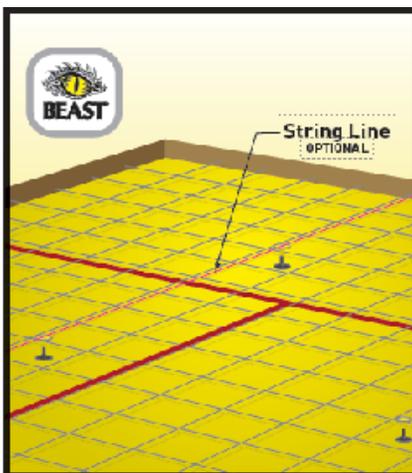
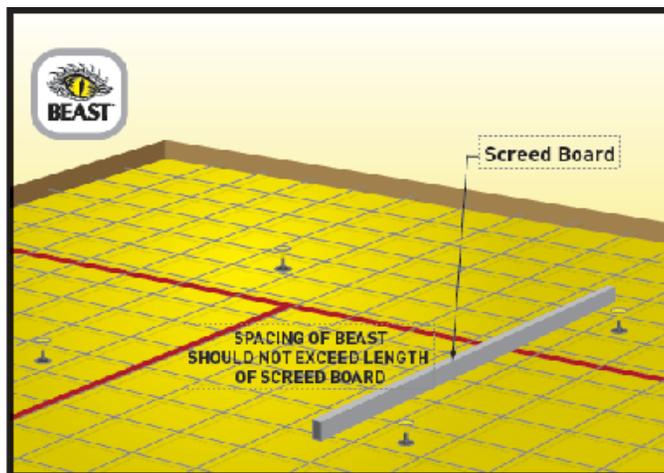


Illustration 1B



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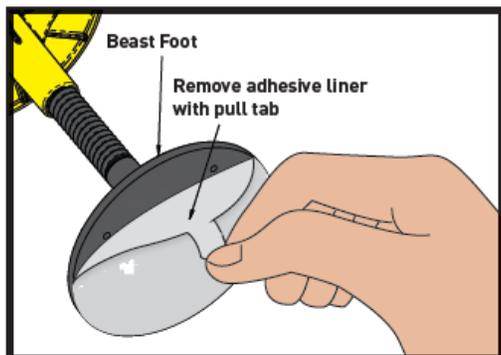
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5) It is best to identify ONE person responsible for establishing slab elevation and making elevation adjustments to the Beast Screed adjustable caps. a. Note: Ensure the pour crew understands the Beast Screed adjustable cap & Beast Screed post are designed to be reused. It is best to place the used screed caps and posts in water until the pour has been completed and they can be cleaned properly for reuse.

INSTALLATION PROCEDURES



1) Ensure the vapor barrier is clean and dry when applying Beast Foot. Tip: Use a clean, dry rag to remove any dust, debris, and excess moisture before applying Beast Foot. If there is a blotter [?] (sand) layer present, pull away the blotter layer material to expose the vapor barrier.



2) Remove the liner from the bottom of Beast Foot using the pull tab and apply it to the vapour barrier in the desired location.

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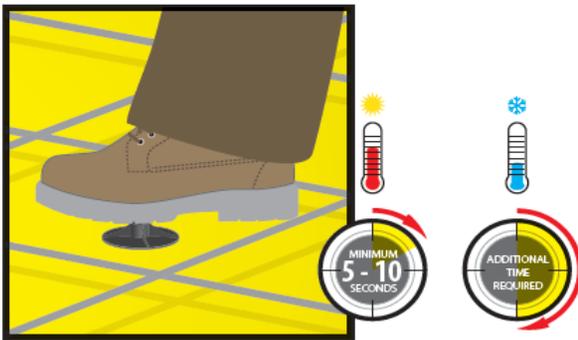
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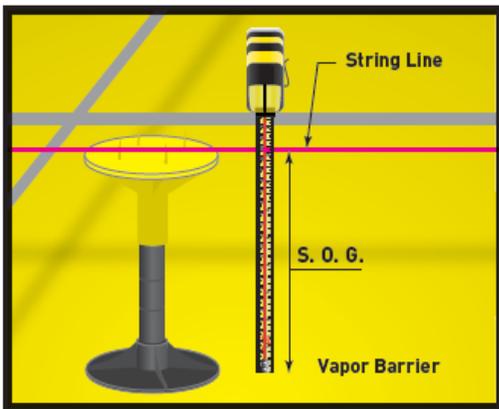
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3) Immediately apply downward pressure for a minimum 5-10 seconds by standing on either the centre hub portion or on the outer edges of Beast Foot. The more set time the adhesive has, the better. Tip: In cold temperatures, apply downward pressure for an additional period of time to ensure maximum adhesion. Store Beast Foot in a temperature conditioned space prior to installation.



4) Determine the depth of the S.O.G. (from the vapour barrier) by measuring from the vapour barrier to the string-line or by use of a grade rod and laser level.

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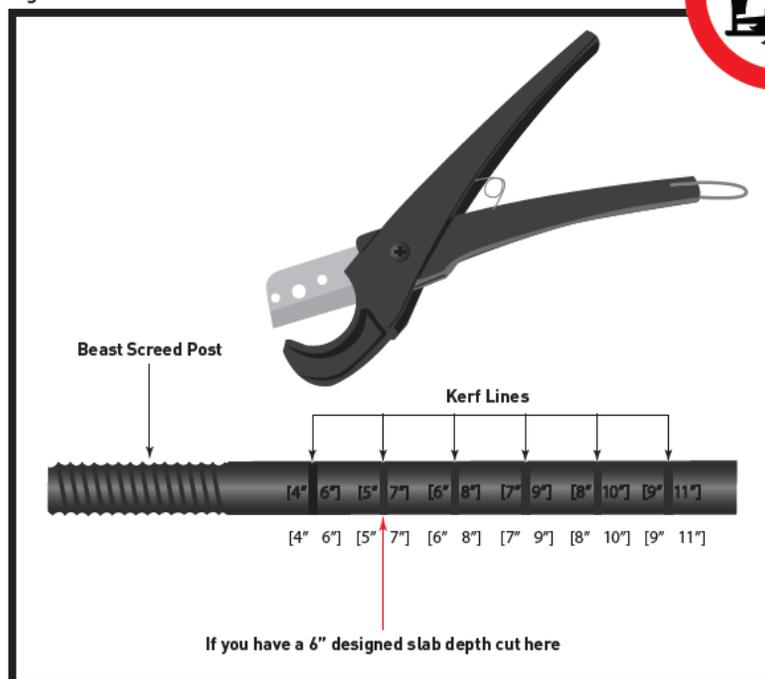
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Figure 3



- 5) Cut the Beast Screed Post at one of the "kerf" lines to accommodate the proper slab depth.
- There are numbers marking each of the "kerf" lines which correspond with the range of slab depths each post length will accommodate. (Figure 3)
 - The "designed" depth of the slab should fall directly between the marked numbers on the Beast Screed Post. For instance; for a 6" slab depth the post should be cut at the [5" 7"] kerf line and an 8" slab depth should be cut at the [7" 9"] kerf line. This will give one full inch of adjustment up and down to accommodate for variation in slab depth.
 - There are 2 inches of overall height adjustment once Beast Screed has been set.
 - Stego recommends the use of a "scissor-type" PVC tubing cutter to cut the Beast Screed Post. Other types of PVC cutters work, as well as a thin blade saw such as a hack saw.
- Caution: For safety purposes, power tools should never be used to cut the Beast Screed Posts.**

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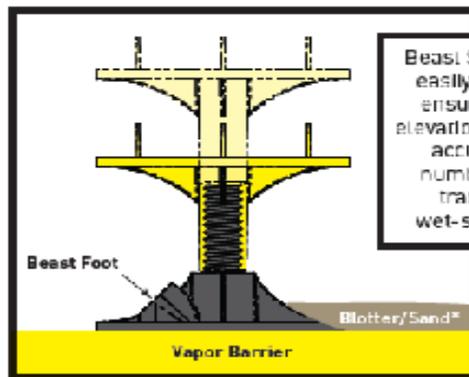
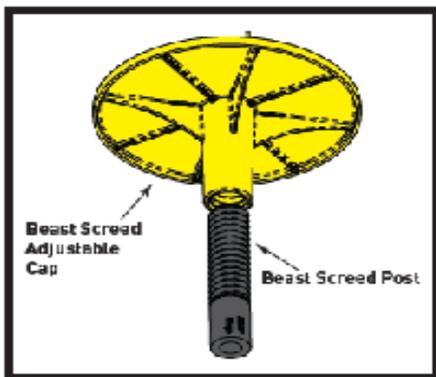
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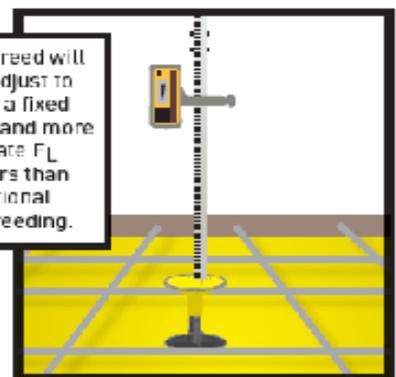
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Beast Screed will easily adjust to ensure a fixed elevation and more accurate F_L numbers than traditional wet-screeding.



6) Attach the Beast Screed Adjustable Cap to the Beast Screed Post by engaging the matching threads. Note: Partial engagement is sufficient at this point

7) Insert the opposite end of the Beast Screed Post fully into the “press-fit” center hub of Beast Foot. Note: If a blotter layer is present, you can now push the material back into place where it was pulled aside initially for the Beast Foot installation.

8) Using a laser level and check rod or grade rod set to the required slab elevation, rotate the Beast Screed Adjustable Cap to adjust up or down until the proper slab elevation is achieved.

CONCRETE PLACEMENT



1) Concrete is placed in bays or strips, in the same manner as if wet-screeding. However, instead of floating cow patties, Beast Screed is installed in those locations as a fixed-elevation, point-to-point guide screed system.

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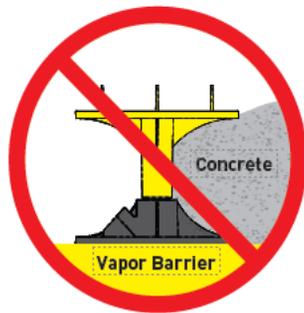
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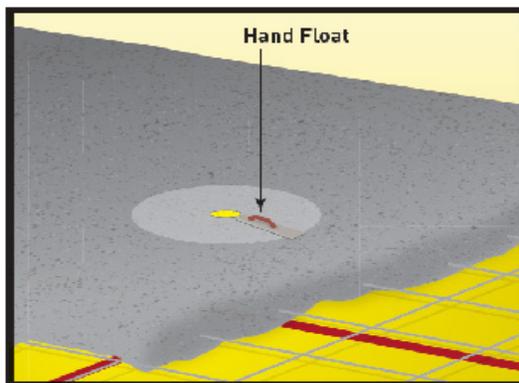
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1a) As concrete is placed near and around Beast Screed, be careful not to “side load” the hardware as this could adversely affect the elevation of the Beast Screed Adjustable Cap. Note: The taller the screed hardware is, the more critical this becomes.



1b) Avoid pouring concrete directly over the top of Best Screed as this will make it more difficult to see. Note: If using a drag-line pump or “Georgia Buggy”, it may be prudent to install the Beast Feet in their desired locations, then pre-cut the Beast Screed Posts to the correct length, in-stall the Beast Screed Adjustable Caps and set them aside. Once the placement equipment has passed by the Beast Feet, and the area is clear, insert the Beast Screed Post and Beast Screed Adjustable Cap and set them to the proper slab elevation.



2) As soon as concrete is placed in an area around the Beast Screed, float a flat area, the width of a hand float, around and at the same level as the top of the Beast Screed Adjustable Cap. Note: This step can be omitted by the pour crew, however, it gives the screed crew a larger area to screed from, as well as keeps the Beast Screed Adjustable Caps clean for easy location and removal.

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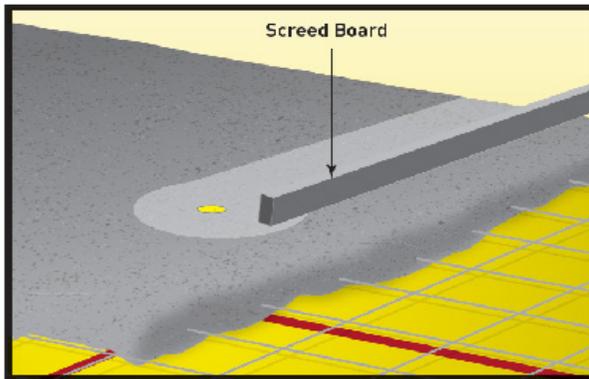
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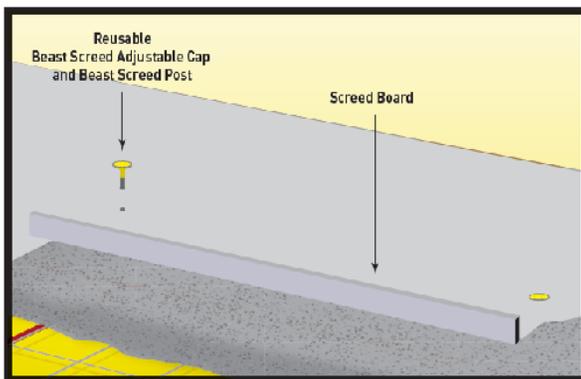
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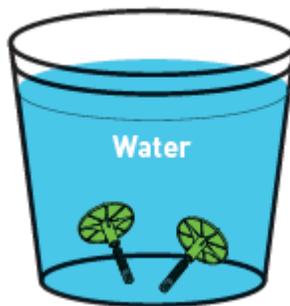
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3) Using the appropriate length screed board or straightedge, strike off grade strips between the Beast Screeds and commence with normal screeding operations.



4) The best time to remove the reusable Beast Screed Adjustable Cap and Beast Screed Post is when the screeding crew approaches each Beast Screed from the previous bay. Note: Beast Foot remains adhered to the vapor barrier and buried in the concrete. Tip: Stego recommends leaving the screed hardware in place as long as practical during the screeding process to ensure a fixed-elevation point is maintained throughout the screeding operation; however, this is up to the placement crew's discretion



4a) As the screed hardware is removed, it is recommended to place the hardware in a bucket or wheelbarrow filled with water so cleanup will be easier once the pour is complete.

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