



Soft Tissue Injury Prevention Tool

Tip Sheets

Trade: Masonry

Job Task: Construction - Brick Laying

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| <p>General Tasks</p> <ul style="list-style-type: none"> ➤ Apply mortar line with trowel. ➤ Pick up brick and apply mortar. ➤ Set brick. ➤ Strike & clean brick. | <p>Common Tools</p> <ul style="list-style-type: none"> ➤ Brick Trowel ➤ Scaffold ➤ Gloves |
| <p>Potential Risk Factors <i>Risk Factors can lead to increased risk for Work Related Musculoskeletal Disorders (WMSD's)</i></p> <p>Continuous Extreme Forward Back Bending</p> <ul style="list-style-type: none"> • Moderate Risk if sacking for long periods of time below waist level and if not occasionally sitting to perform this work. <p>Highly Repetitive Motion with High Forceful Hand Exertions</p> <ul style="list-style-type: none"> • Moderate Risk primarily a risk factor if repetitive brick laying is performed for long periods each day. Also, applying mortar can be more repetitive is grinding is deeper than normal and increased amounts of mortar must be applied when replacing bricks. <p>Feasibility</p> <ul style="list-style-type: none"> • Engineer Control • Administrative Control • Work Practice Control <p>Estimated Cost of Intervention</p> <ul style="list-style-type: none"> • None | <p>Possible Solutions</p> <p>Overhead Work & Lifting Solutions:</p> <ul style="list-style-type: none"> • Use 2 workers to lift and carry pole shores. • Consider grouping pole shores on the ground as they are removed and then move the cart to their location and load on the cart. This will eliminate the need to carry heavy pole shores. Use 2 workers to lift pole shores onto carts. • Group plywood on edge when being dropped and then move cart to its location and use 2 workers to load plywood • Move cart to location of plywood before lifting it onto carts. Lift one end at a time and slide onto cart. • Use 2 workers to load plywood on cart. • Rotate workers on scissor lift to handle and remove 30 lb mains/stringers over an 8hour day. <p>Potential Benefits</p> <ul style="list-style-type: none"> ✓ Increases productivity. ✓ Increases blood flow and reduce muscle tension. ✓ Reduces strain on hand and arm muscles. ✓ Reduces exertion of lower back. ✓ Reduces awkward work postures and minimize lifting requirements. |
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