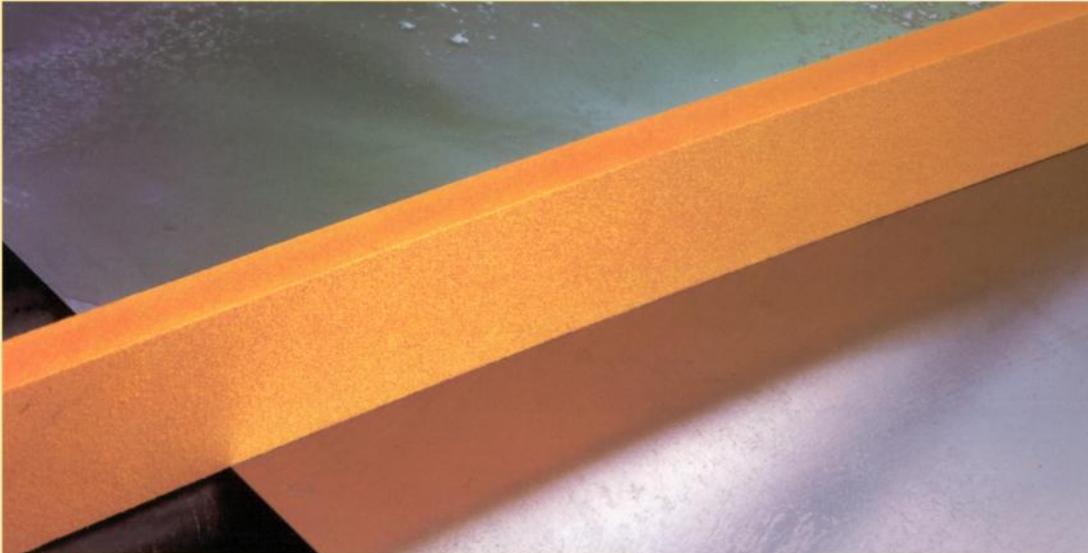


Chicago Heights  
**Star Tool & Die Works, Inc.**

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ERIC ALMQUIST, ENGINEER / SALES - o: +1 (708) 808-1058 - m: +1 (708) 712-4383 - e: ealmquist@startoolanddie.com  
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**STAR TOOL'S UNITIZED WIPES** can significantly improve process control and quality with minimal investment of costs, space, or time. For example, the wipes remove debris and fluids from process rolls or the sheet's surface in some applications. Additionally, their compliant but high-friction surface can improve control and care of coils being transported via lift trucks or overhead cranes.



**TWO DIFFERENT WIPE MATERIALS:**

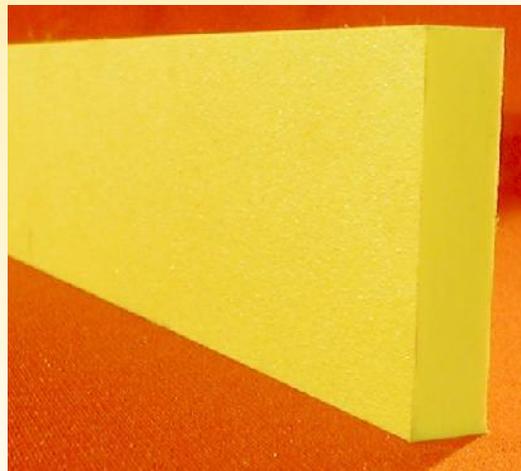
Two types of wipe products are produced from layers of engineered, non-woven fabrics that are laminated into a unitized block.

**MILL WIPE:** Yellow in color. More porous & compressible. Fabric layers separable.

**WIPER BAR:** Golden-brown in color. More rigid & durable. Marginally machinable.

**TYPICAL APPLICATIONS FOR STAR TOOL'S WIPES:**

- 1) CLEANING & WIPING PROCESS ROLLS
- 2) CONTROLLING STRIP TENSION
- 3) GRIPPING PARTS
- 4) PROTECTING COIL FROM DENTS OR ABRASION



**BASIC PROPERTIES:**

Fluid Compatibility:

Aqueous: Approximate pH between 2~10\*

Non-Aqueous: Compatible with oils & solvents used in metallurgical processing.

Maximum Rated Temperature: 141°C (285°F) - contact Star Tool if application exceeds

**DENSITIES & SIZES:**

Density: The hardness (density) of the material is available in “soft”, “medium”, & “hard”.

Thickness: Available in defined thicknesses between 1/8” ~ 1” (3 ~ 25mm)

Length x Width: Please contact Star Tool; max length & width dependent on various details.

**SAMPLE APPLICATIONS:**

Star Tool’s unique wipe and bar products enable simple solutions to nagging problems associated with contaminated and low-friction surfaces.

For example, the wipes can be applied with simple, gravity actuated fixtures to wipe roll surfaces to eliminated ‘repeater’ marks. The wipe retains the particles until planned maintenance outages provide opportunity to clean the wipe.



<b>Sample Applications</b>	<b>Benefit</b>
Clean Process Rolls	Minimizes surface defects; Improves productivity
Cold Mill Back-Up Roll Blade	Eliminates fluid sling-over; Dimensionally stable over time; Cleans roll surface
Coil Transport & Coil Cradle Pads	Minimizes coil damage; Reduces load slipping



**STAR TOOL INVITES YOU** to contact us for discussions and ideas about optimizing your process lines. Then without obligation, arrange for a survey of your application, process line, or entire plant to accelerate your continuous improvement efforts with our premium products and creative experience. We look forward to serving you and enjoying mutual success.

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