

CoolStrike Lubricated Backup Material



Benefits

- Reduced cost per hole drilled with higher hit counts
- Increased stack heights while drilling
- Excellent drill cleaning
- Better hole wall results
- Lower overall drilling costs

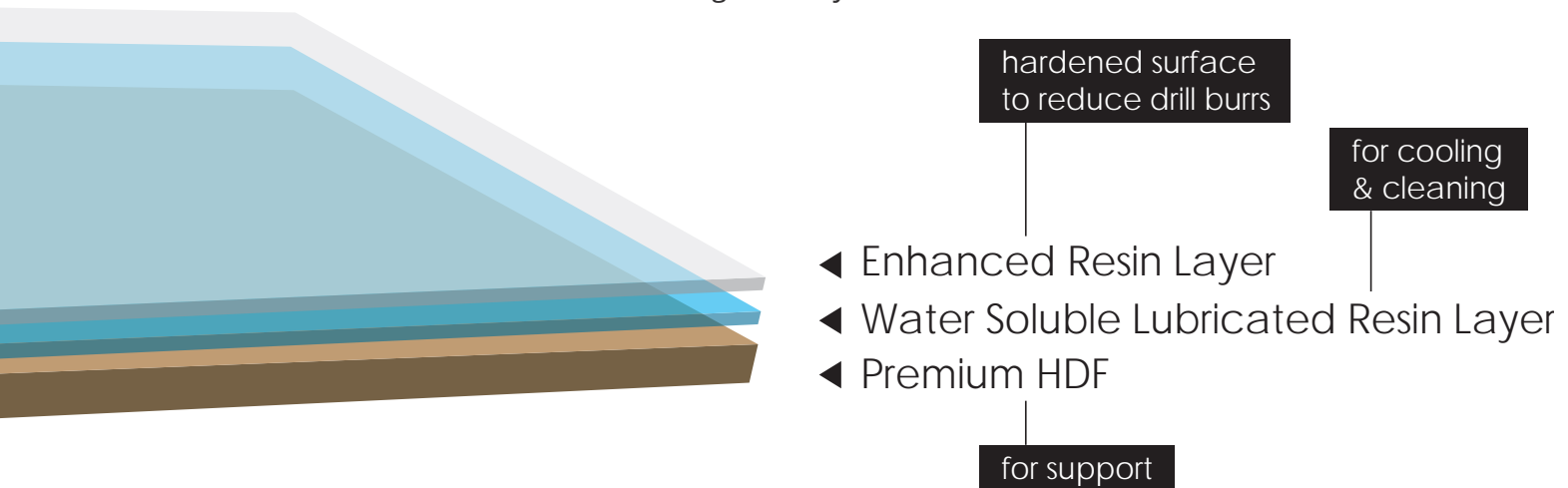
Premium Backup Material for Superior Drilling Applications

CoolStrike is a specialized, lubricated drill backing board material that cools, cleans, and lubricates tools during the drilling process. The composite material includes a unique resin system that maximizes drill life while minimizing drill bit temperature.

Highly accurate and predictable, this material provides reduced drill temperatures while minimizing drill wear and heat related drill hole defects. CoolStrike accomplishes this with a unique resin lubricant that reduces hole wall roughness and extends drill life. The resin system offers a low melting point and is water soluble.

Construction

The 3 component construction is comprised of a Premium HDF 0.09" core for support, a water soluble lubricant resin 0.03" layer for cooling and cleaning followed by an enhanced resin 0.05"- 0.075" layer which provides surface hardness to significantly reduce drill burrs.



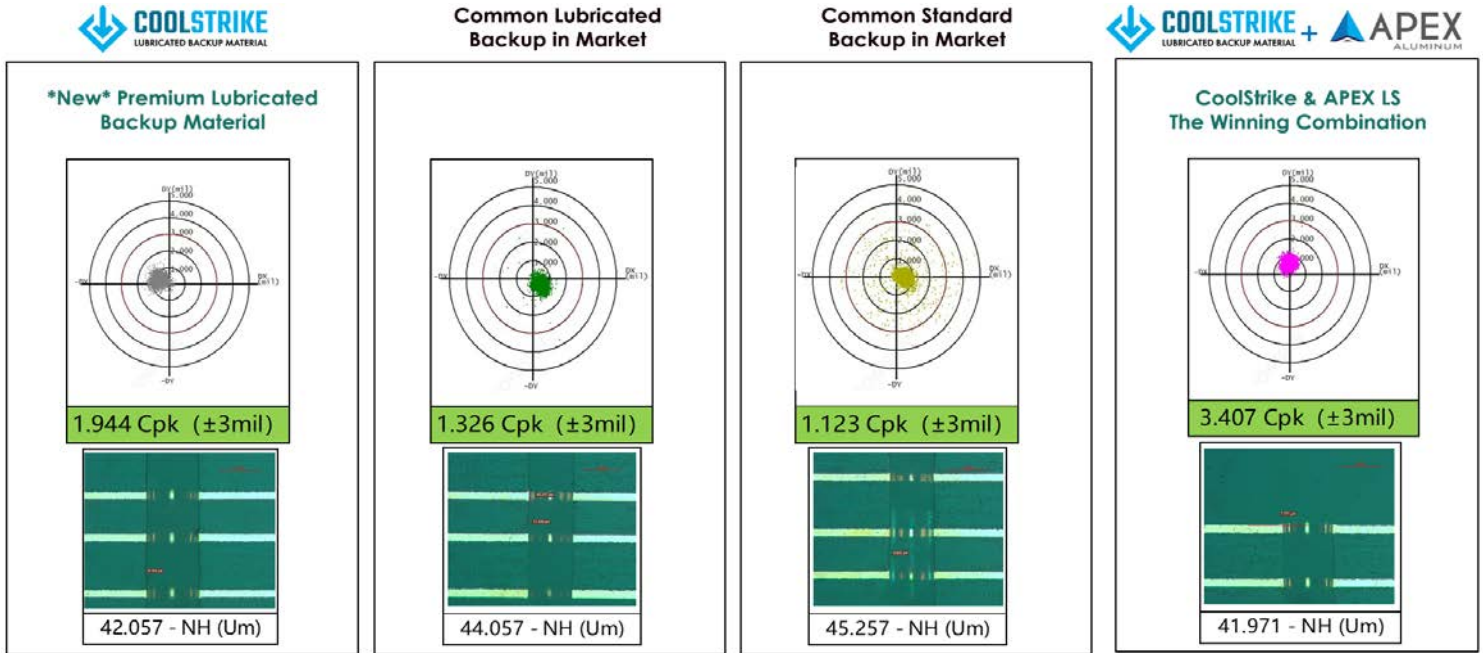
Specifications

| | | |
|------------------|-------------------------|----------|
| Thickness | 2.50mm ± 10% | 0.098" |
| Density | ≥ 800 kg/m ³ | |
| Surface Hardness | ≥ 72 Shore D | |
| Warp | ≤ 0.9% | |
| Sizes | 940 x 1245mm | 37 x 49" |
| | 1041 x 1245mm | 41 x 49" |
| | 1092 x 1245mm | 43 x 49" |
| | 510 x 610mm | 20 x 24" |



THE WINNING COMBINATION

CoolStrike shows much improved accuracy and hole wall roughness, over other leading backup materials. Drilling temperatures are the best ever demonstrated with an entry and backup material.



*CPK mathematical calculation based on data to establish accuracy of drilling processes

Material Comparison Test Results

- Better registration characteristics
- Better hole wall quality
- A lubricated backup solution that is best of class
- Cooler drilling temperatures
- A surface burring solution
- Lower drill wear and breakage

| Rank | Backup Material | Entry Material | CpK | NH | Roughness |
|-----------------|---------------------------|-------------------|--------------|---------------|--------------|
| All-Star | CoolStrike | Apex LS | 3.407 | 41.971 | 7.314 |
| 1 | CoolStrike | .007" Solid Alum. | 1.944 | 42.057 | 8.143 |
| 2 | Competitor Lubricated B/U | .007" Solid Alum. | 1.326 | 44.057 | 9.457 |
| 3 | Competitor Standard B/U | .007" Solid Alum. | 1.1231 | 45.257 | 11.429 |