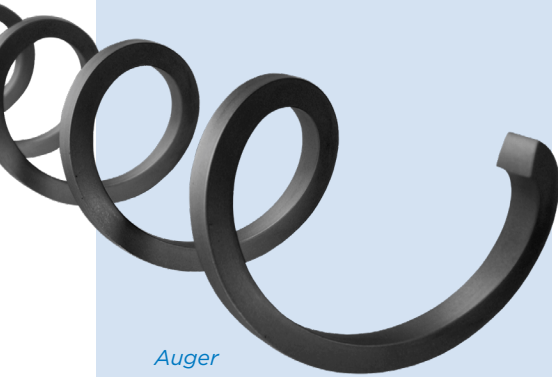


# General Magnaplate

Smart Coating Solutions® Worldwide

## TYPICAL APPLICATIONS



*Auger*

# LECTROFLUOR® CS-1331

USDA/FDA-compliant coating provides non-stick properties to PVC

LECTROFLUOR® CS-1331 is a USDA/FDA-compliant coating that provides excellent non-stick properties and wear resistance to PVC. LECTROFLUOR® CS-1331 was developed to withstand harsh cleaning agents and will help lower costs by reducing downtimes related to these issues. It can be used successfully for releasing PVC plastic at 500°F (288°C) and has a typical thickness range of 0.0005 to 0.0015 inches.

## CORROSION AND CHEMICAL RESISTANCE

Salt spray (salt fog) testing was conducted in accordance with ASTM B117. Results indicated that Lectrofluor® CS-1331 provides up to 336 hours of salt spray resistance with a thickness of 0.001 inches. Due to the coating being solid-surfaced, Lectrofluor CS-1331 offers great resistance to a wide array of chemicals and cleaners.

## COEFFICIENT OF FRICTION MEASUREMENTS

**Static COF 0.11, Kinetic 0.09**

Testing performed on the coating in accordance with ASTM D 1894-01 reveals very low coefficients of friction.

## CONTACT ANGLE MEASUREMENTS

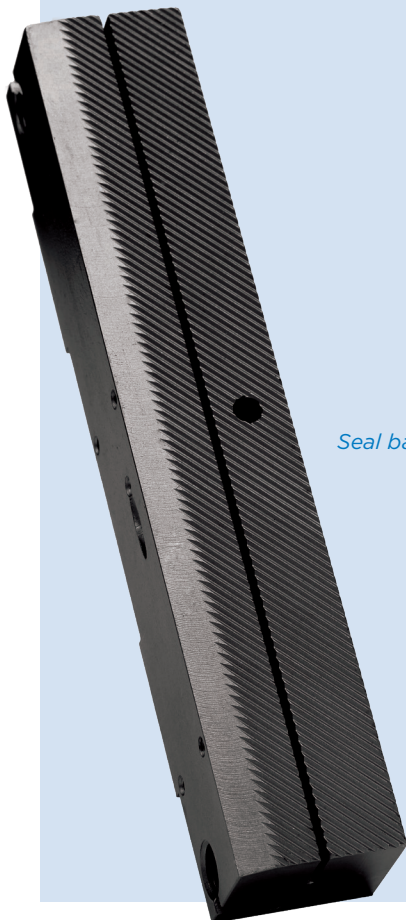
**Advancing Contact Angle 106.6°**

Contact angle measurements indicate the amount of surface energy present. The greater the angle, the lower the surface energy. In general, the greater the surface angle, the greater the release and ability to clean the surface.

## TABER ABRASION TESTING

**Taber Abrasion Data Weight Loss mg/250 cycles 25.8**

Taber abrasion testing was done in accordance with ASTM D 4060 using 1000 g load. CS -10 wheels were used. Weight loss was recorded at 0, 100 and 250 cycles. Wheels were cleaned at the beginning of each test.



*Seal bar*