

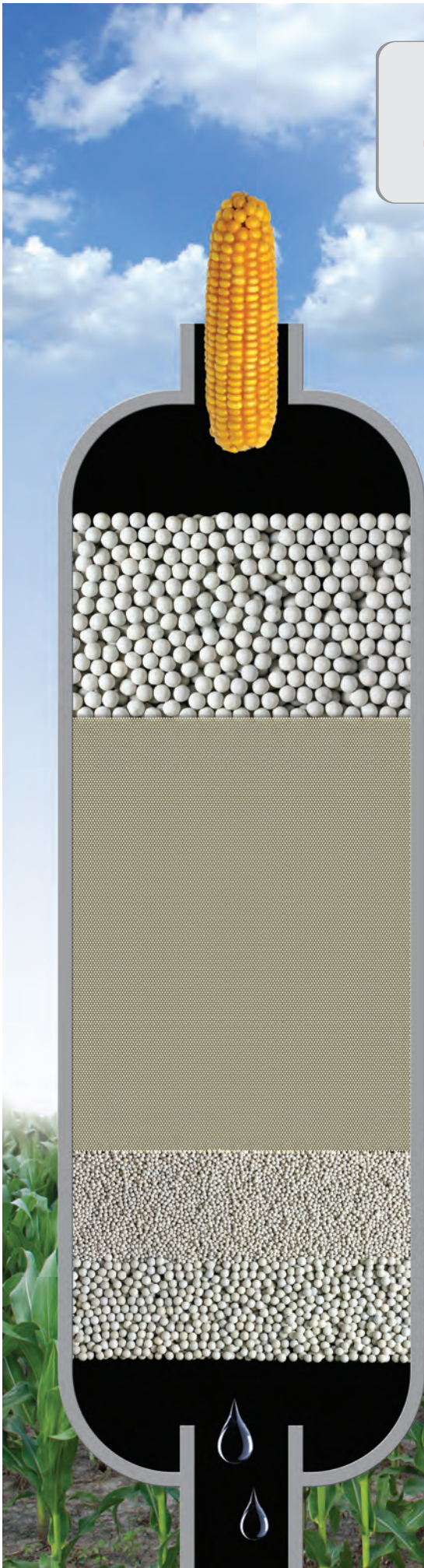


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Innovators Of Industrial Ceramic Products



PROX-SVERS® INERT BED SUPPORT MEDIA

Vacuum-swing drying of ethanol, based on molecular sieve, is a very demanding service. The application requires a robust system of locking the adsorbent in place, protecting it from migration, fluidization, and the occasional slug of two-phase flow.

Christy **PROX-SVERS®** inert ceramic balls, also known as ballast, protect and support more ethanol molecular sieve desiccant than any other! And, there's a reason: Christy's 55 years of experience in mining the finest of clay raw materials and developing the most advanced formulations make **PROX-SVERS®** the most durable ballast available today.

PROX-SVERS® INERT BED SUPPORT BALLS

TYPICAL CHEMICAL ANALYSIS (wt.%)	T-38	T-86
Alumina, Al ₂ O ₃	31 - 38	18-21
Silica, SiO ₂	54 - 62	75-78
Calcium, CaO	< 1	< 1
Titania, TiO ₂	< 2	< 2
Alkalies, K ₂ O + Na ₂ O	1 - 3	1 - 3
Magnesia, MgO	< 1	< 1
Leachable Iron	< 0.001	< 0.001
Leachable Sulphur	None Detected	None Detected
Leachable Chlorides	None Detected	None Detected

TYPICAL PHYSICAL PROPERTIES	T-38	T-86
Average Crush Strength, lb-f (kg-f)		
1/4" (6.4 mm)	250 (113)	180 (82)
1/2" (12.7 mm)	550 (249)	500 (227)
1" (25.4 mm)	2200 (998)	2000 (907)
Loose Fill Density, lbs/ft ³ (kg/m ³)	82-87 (1314-1394)	83-88 (1330-1410)
Water Absorption, Wt. %	< 1	< 1
Hardness, Mohs'	6.5	6.5
Maximum Use Temperature, °F (°C)	2500 (1370)	1800 (982)
Thermal Shock Resistance (heated to 1500° F and quenched in water)	100%	100%

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