

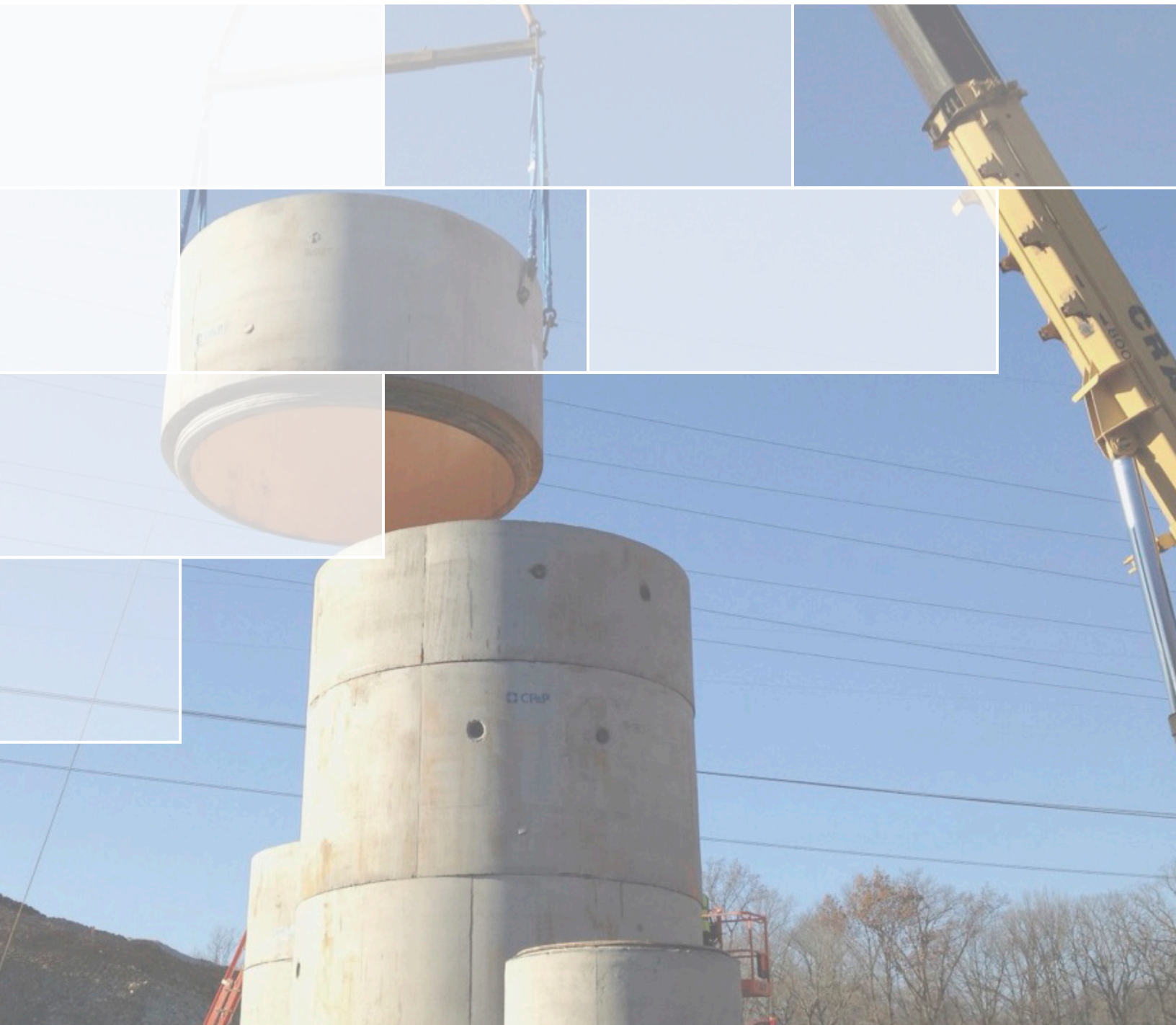


CMC PRECAST

AGRU Sure Grip® HDPE Liner

Core Product Line

CORE PRODUCTS DIVISION



OVERVIEW

The AGRU Sure Grip® Concrete Protection Liner (CPL) has been designed to seal and protect a wide range of concrete structures.

The AGRU Sure Grip® CPL is resistant to acids, caustics and reagents that normally deteriorate concrete. Installation of the system allows the harshest chemicals to be handled, stored and processed without corrosion or penetration of the exposed surfaces, thus protecting precast concrete manholes, structures, and reinforced concrete pipe that are in corrosive service.

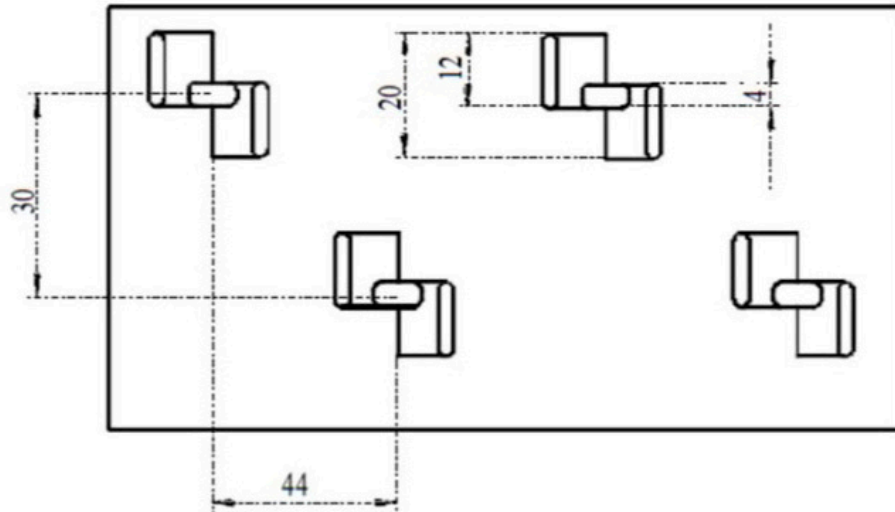
OUTSTANDING FEATURES

- Anchor studs are an integral part of the sheet, thus providing a strong bond with the concrete. There are no inherent weak points as with concrete liners that have their studs individually welded to the sheet.
- Large number of anchor studs (~39 per square foot)
- Diagonally placed studs offer an optimum fixation in any direction.
- 2mm thickness standard. 3mm thickness available by special order.
- All plant and field welding of joints and seams performed by trained CP&P personnel.
- Ideal for basins, sewers, industrial trenches, reservoirs, wet wells, landfill leachate collection, treatment plants, force main outfalls, and other applications where concrete structures are subject to corrosive service conditions.



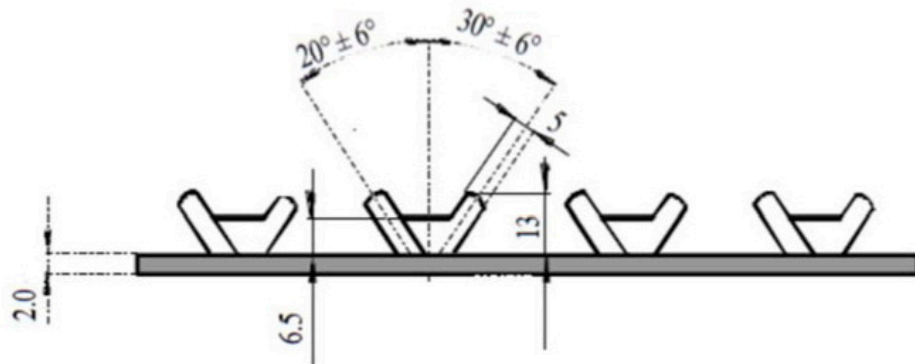
AGRU SURE GRIP® CONCRETE PROTECTIVE LINER

a. Arrangement of anchor studs



b. Anchor stud shape

Standard Design with 13 mm studheight



Dimensions are in mm

PHYSICAL PROPERTIES OF AGRU HDPE CPL

The AGRU Sure Grip® CPL systems and welding rod shall be manufactured from the same resins and meet the following properties:

Property	Test Method	Unit	Values
Density	ASTM D792	g/cm ³	.945
MFI (Melt Flow Index)	ASTM D1238	g/10min	190/5
Heat Reversion (Dimensional Stability)	ASTM D1637	%	120° / 2hr
Yield Stress	ASTM D638	PSI	≥ 2175
Elongation of Yield	ASTM D638	%	≥ 17
Elongation at break	ASTM D638	%	≥ 450
E-Modulus	ASTM D1708	psi	87025
Fire Classification	UL-94		94-HB
Surface Resistivity	ASTM D257	Ohm	> 10 ¹³
Resistance to pull-out	SKZ test directives	lbs/ft ²	≥ 6000
Recommended Maximum Working Temperature		C°	60
		F°	140



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