Application Profile

Project:	Cryovac, Sealed Air Corporation, Simpsonville, SC Chiller Room for Polyethylene Bag Extrusion
Polyurea Applicator:	Osborn Contract Services, Greer, South Carolina Project Monitoring by Primeaux Associates LLC
Polyurea System Applied:	PCS 305, White Aliphatic Polyurea System Polyurea Coating Systems, Inc., Stafford, Texas
Substrate / Area:	Concrete Walls, Metal Ceiling, approximately 400 ft^2
Date:	February, 2006

The Cryovac facility primarily manufactures polyolefin sheet packaging products. In the extrusion process, the bag film is prepared in a chiller room. Since these products are used in food packaging, the area of the room must be kept clean and free of bacteria. The polyurea technology was chosen due to the speed of application, white color stable properties, seamless installation and ease of cleaning. A similar room had been lined in the past with a polyurea system.

The walls and ceiling area had a previous epoxy paint system. This was showing staining and had chipped in many areas. This was causing some concern due to the fact that bacteria could be held. Since the eposy paint was well bonded, no removal was required, except for shipped areas.

Prior to installation, the existing coating was scuffed and primed using an epoxy system. This was followed by an installation of a nominal minimum average 40 mils (1.0 mm) of the PCS 305 white aliphatic spray polyurea system. The challenge was the ability to apply a uniform finish with all the existing piping and structures within the area. The use of a GUSMER GX-8 spray gun proved extremely beneficial to the application. The aliphatic polyurea spray technology has proven quite successful in wall and ceiling coating / lining applications and was the primary reason to use here.

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