

Painting and Coating

Limitation: Morning Rust Bloom

Coastal summer weather conditions strain the capability of standard dehumidification equipment. Overnight rust bloom can occur even when dehumidification equipment is installed on a project. This may not be a common occurrence; however, stand alone dehumidification equipment does have drying limitations.

Neither air conditioners nor desiccant dehumidifiers typically deliver air with dew points below 50°F, when subjected to coastal morning inlet air conditions of 75°F and 95% relative humidity. Combined air conditioning / desiccant systems are effective, but are expensive to operate.

Solution:

Subcooled Air delivers 40°F dew point air to controlled spaces even under coastal morning conditions. Operating cost savings can exceed 75% of an air conditioning / desiccant dehumidifier system. During the day, when space temperatures can exceed 100 °F, cold 40 °F dew point air is directed toward workers, creating a comfortable micro-climate to work. Dehumidified supply air at 40°F dew point is delivered when night vessel temperatures fall.



Benefits:

- **Lower dehumidification operating costs by up to 50%**
- **Sturdy, reliable equipment**
- **40°F supply air dew point**

For an engineered review of your application, or to learn more about Subcooled Air, visit www.subcooled.com, contact our staff in Houston, TX at 713-201-1478 or send us an email to tomd@subcooled.com.