

A Top Choice for IMPs



Location
Pritchard Hill, California, USA

Wall Products
300 Minor Rib
400 Wave

Roof Products
KingZip

Overview

The Chappellet Winery sits on picturesque Pritchard Hill, near St. Helena, in California's famed Napa Valley. Its owners wanted to expand its storage capacity and commissioned construction of a structure called a barrel chai, a wine aging room that requires a very controlled interior environment. The planned structure would house 4,000 barrels of wine, a wine-barrel wash area and a small white wine production space.

Both Kingspan roof and wall panels were used for this project. According to Marc Davis, president and owner of Division 13 Buildings Inc. the Design Build Metal Building Contractor on this project, KingZip standing seam insulated metal roof panels were specified for the roof system because they provided the demanding energy performance needed for Chappellet Winery's barrel chai.



Wall Product

300 Minor Rib

400 Wave

Roof Products

KingZip Standing Seam



Sun Shades

Business Challenge:

To protect the quality of the wine, a barrel chai must be stored in low to no light conditions because sunlight can damage wine. Temperature stability is also a must to preserve the quality of the wine. Finally, because of the winery's scenic location, the owners did not want a dull, boxy storage building.

Kingspan Solution:

This winery storage facility is in a high humidity area. The Kingspan products were well suited to perform better than other products in this environment.

"The KingZip roof panel provides great looks and incredible energy performance," said Marc Davis. "Simply stated, it's a superior commercial metal roofing system."



Adding to a Pastoral Appearance

Architectural Benefits:

Kingspan 400 Wave and 300 Minor Rib insulated metal panels (IMPs) were used primarily as an insulating product, but also because they offered a look that added to the winery's pastoral appearance.

They also allow flexibility in design and minimize construction delays by offering a single component IMP product instead of more complicated multi-part panels. The 300 Minor Rib panel was used on two sides of the fascia to provide insulation and a single skin Corten panel was installed over the outside face as an architectural finish.

The 300 Minor Rib panels were also used on several interior walls. The insulation value and the Imperial White finish on both sides of the panels made an attractive building interior.



One-Step to Success

Installation Benefits:

Marc Davis is very impressed that KingZip's one-step installation can reduce on-site installation time by up to 50% compared to conventional roof systems.

"There were several unique features Division 13 performed on this project due to the special needs of a winery and compounded by its location in an area of high humidity," he said. "The Kingspan products were well suited to these environments and performed better than other products."

Owner Benefits:

A KingZip roof can result in energy savings of as much as 30% over conventional cavity-based insulation systems due to a high R-value, superior airtightness, and low thermal bridging.

One of the biggest sources of heat loss or gain in a building is due to air leakage. KingZip metal roofing panels have been proven to ensure that a building remains both air and weather-tight over its life.



Contact

For more information on
the products used in this
project, please email

Info.NA@kingspanpanels.com

