MASCOAT

THE RIGHT INSULATION

IN MASCOAT'S 20 YEARS OF PROVIDING SPECIFICATIONS AND CONSULTATIONS TO END USERS AND ENGINEERING FIRMS GLOBALLY, THE FIRM HAS FOUND THERE ARE OPTIMAL APPLICATIONS FOR ALL TYPES OF INSULATION MATERIALS.

With this approach, it strives to recommend the best solution that meets the customer's needs, regardless if it is our product or not.

Mascoat Industrial-DTI is an excellent option in the Caribbean due to the many challenging factors that the region faces. Problems like recurring severe weather events, high average rainfall totals, and average to high humidity lead to escalating maintenance costs year after year. By using Mascoat Industrial-DTI thermal insulating coating, companies can have an insulation solution that is not affected by those issues, resulting in a lifelong return on investment. An issue that affects facilities operating in the Caribbean annually is the threat of tropical events, i.e. tropical storms, depressions, and hurricanes. Due to the installation nature of most conventional insulation systems, high winds and driving rain can be debilitating to the integrity of insulation in tank farms, refineries, and other industrial facilities found in the region. The high winds associated with these storms can severely damage, if not outright remove, the jacketing designed to hold and protect the traditional insulation material. Once damaged, the insulation material and substrate becomes even more exposed to the driving rains and high moisture environment.

Mascoat Industrial-DTI adheres directly to the primed substrate, and that would need a +250 psi pull to remove it from the surface. Damage from debris would be limited as well. Though the coating is pliable (as is a must when dealing with thermal expansion and contraction) and susceptible to mechanical damage, only the point of impact is affected, which is easily repaired, and moisture cannot spread further below the coating. With something like mineral wool, a small damaged area can lead to wicking where moisture spreads from the point of impact to areas that appear unaffected.

The moisture trapped in the insulation material will eventually lead to a significant CUI (corrosion under insulation) problem, but it will also cause an instant performance in the thermal properties of the product.

When water is absorbed by conventional insulation systems, it reduces its overall effectiveness because moisture conducts heat more efficiently than air. Also, as operating temperatures increases, the negative effects of moisture increase as well. Though Mascoat Industrial-DTI's thermal efficiency is lower (specifically at lower operating temperatures), the ability to have a consistent performance value for the life of the product and/or piece of equipment allows for peace of mind.

For more information visit www.mascoat.com