

CASE STUDY

PT Nukote Indonesia

Award Winning Energy Saving and Asset Protection Coatings

GEOGRAPHICAL AREA:

Jakarta, Indonesia

ISSUE:

Looking to reduce the surface temperature of a hot water pipeline from the variable 74-95 deg C surface temp to 65 deg C or lower.

SOLUTION:

Syneffex PT thermal insulation & corrosion prevention coating

Coverage: 3-coats

RESULTS:

- ✓ Reduce surface temperature of pipeline by 15C
- ✓ Provided resistance to mold, moisture corrosion and UV damage.
- ✓ Eliminated future damages due to CUI (corrosion under insulation)
- ✓ Long lasting 5-10 years.



A large client for PT Nukote Indonesia needed to reduce the surface temperature of a hot water pipeline from the variable 74-95 deg C surface temp to 65 deg C or lower. They also wanted corrosion resistance to protect the pipeline and increase the lifespan. Their prior experience with corrosion under insulation (CUI) and the short lifespan of traditional insulations meant they needed a new technology solution.

Syneffex Translucent PT was spray applied to a 24" dia. hot water pipeline to insulate and provide corrosion resistance. Thickness applied was 310 microns (apprx. 3 coats)

Temperature of pipeline surface after: 59 deg. C.

Syneffex PT provided the combination of benefits that the client had been looking for - effective insulation, corrosion resistance, moisture resistance, and longevity and consistency of insulating ability.



Temperature of pipeline surface before: 74 deg C.