

HOW LIQUID SILICONE CAN DOUBLE ROOF LIFE

ENERCON explains to *Construction Week* how liquid silicone is the ideal solution for roof refurbishment



ENERCON discusses the benefits of how liquid silicone can improve roof life across buildings [Image:Supplied]

Roof maintenance is no less important than a car maintenance, but because roof is out of sight, it is out of mind.

However, there has been a prevalent mindset - where we do not treat roofs as the most critical component of our building.

In some cases, even after knowing that there is a certain problem, which needs fixing at the roof top, we neglect it until it becomes inevitable.

On the other hand, unfortunately there has not been any good quality product on offer specifically for roof refurbishment/maintenance.

But what is the solution for this? The answer: liquid silicone.

Liquid silicone is a patented advanced technology, which is an ideal solution typically for any type of roof



refurbishment. High OPEX and repeated maintenance have been the biggest pain point for most of the building owners and facility management companies.

Extending the life of your roof is one of the smartest decisions any owner, facility manager or property manager can make.

Thanks to liquid silicone, this has made it finally possible.

Liquid silicone – a cost-effective and long-term roofing solution

Ponding Water

Inorganic nature and high energy chemical bonding of silicone (the chemical bonding of silicone-oxygen atom), makes silicone coating a permanent barrier to water, even under a ponding situation. Water content either from ponding or water vapours try to penetrate the membrane, but tight interatomic bonding repels the water, making silicone hydrophobic.

No matter how long silicone coating is exposed to ponding water, it will not let water penetrate the surface.

Cool roof and UV resistance

High surface tensions are a natural chemical tendency of silicone coating, which makes it a permanent barrier to sunlight. This makes the roof substrate cooler and UV resistant.

Ease of application

The biggest challenge in roof maintenance is the removal of existing waterproofing system, which takes 75%

of the time and effort of the contractor.

Liquid silicone's ability to bond with almost any existing surface has made it a revolutionary system for roof maintenance, and this factor significantly contributes towards cost savings both for contractor and for building owner.

Liquid silicone is a single component, moisture cured coating which has self-levelling properties, and thus all one needs to do is to open the bucket mix it, pour it, then spread it.

Durability

High elongation and tensile strengths are inherent features of liquid silicone and when these two features are coupled with excellent UV resistance and waterproofing capabilities, it makes silicone coating the most long-lasting roofing system.

Environmentally friendly

Liquid silicone is engineered and formulated using “solvent free green polymers” with negligible VOC content. It outperforms other conventional solvent based and solvent free products, such as aliphatic urethanes, asphalts, thermoplastics and acrylics.

Liquid silicone is an advanced technology, which has profound economic benefits up its sleeve.

All of these features mentioned by ENERCON make it a cost-effective, sustainable, and innovative solution for roofing refurbishment.