

Global Waterproofing Chemicals Market and Technologies Through 2022

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Abstracts

Summary

Waterproofing is a process that is designed to prevent water from penetrating into a building. Typically, waterproofing is incorporated in various layers and implemented in various stages of construction to develop multiple barriers that prevent the penetration of water into the structure. Waterproofing is mainly carried out through waterproofing chemicals. As their name suggests, waterproofing chemicals are types of chemical compounds that have water-resistant properties. These chemicals are used in residential and nonresidential properties.

The effective protection of building structures against water ingress and the prevention of water loss to save water are major challenges.

A leaking roof is one of the most detrimental failures that can occur in a manufacturing facility. Water ingress is likely to damage the structure of a building. Water leaks may also cause the loss of raw materials or products. Malfunctioning of machinery and the destruction of technical equipment are serious problems that can result from a leaking roof. The long-term performance of a properly protected roof improves the durability of the building. At the same time, it secures the investment made into materials and assets. Often, industrial roof designs are very detailed with buildups for air-conditioning, ventilation, windows, and architectural shapes. Reliable waterproofing is possible only with liquid membranes because the liquid ensures full surface contact even in tiny corners.

BASF roofing systems based on polyurethane membrane systems, as an example, can be installed on most substrates, even on old concrete, built-up felt asphalt, and timber.

The sprayed liquid membrane forms a fully bonded waterproofing membrane. There are no welds and seams, which are typically the weak spots of non-sprayed roofing sheet materials. With BASF roofing systems, even refurbishment is often possible without removing the old layers, offering substantial savings in time and cost.

Complete solutions require compatible product systems. Efficient waterproofing of an industrial roof, both for new builds and renovations, requires highly elastic and weather-resistant systems. To fully complete the project, additional products are required that must be fully compatible with the waterproofing system applied.

Waterproofing chemicals currently belong to a niche specialty segment of the chemical industry. The global waterproofing chemicals market was valued at REDACTED in 2016 and is expected to reach REDACTED in 2022, after increasing at a compound annual growth rate (CAGR) of REDACTED during the forecast period (2017-2022).

For the purposes of this report, waterproofing chemicals are broadly classified into six major applications: roof and building waterproofing (floors, basements and walls); process water storage; secondary containment; bridges; tunnels; and silo, food and beverage storage. Currently, the roof and building waterproofing segment holds the major share of the overall waterproofing chemicals market. The segment was valued at REDACTED in 2016 and is expected to reach over REDACTED by 2022, at a CAGR of REDACTED over the forecast period (2017-2022).

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