

Lifetime of BeSealed sealing products

The table below summarizes the results of an accelerated ageing test. The values obtained are the result of an internal evaluation performed on the water swellable compound according to the international ISO standards.

BECOSEAL COMPOUND FOR BESEALED FORMWORK PRODUCTS			
Before ageing	Units	Value	Test Method
Hardness	Shore A	23	ISO868
Tensile strength	MPa	2,10	ISO 37
Stress @ 25% strain	MPa	0,19	ISO 37
Elongation @ break	%	764	ISO 37
After Accelerated Ageing: 168h @ 75°C			ISO 188
Hardness	Shore A	+1	ISO 868
Tensile strength	MPa	2,34	ISO 37
Stress @ 25% strain	MPa	0,18	ISO 37
Elongation @ break	%	781	ISO 37

Based on the results obtained, the chemical and mechanical stability of the different components used in the compound and the application (encapsulated, no direct contact with sunlight, limited contact with oxygen), the BeSealed sealing products are designed and engineered for a targeted lifetime of 100 years, unless that there is contact with chemicals to be avoided such as hydrocarbons or aromatic oils. Please check the chemical resistance list for more detailed information.

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