



## Product Information Silicates

**Description** Transparent, sodium silicate based water glass binder with different contents of disintegration-promoting substances.

**Field of use** Core shop and hand moulding.

**Silicate** binder with low viscosity are usually processed on core shooting machines; **silicates** higher viscosity in the hand moulding.

**Application** The required addition levels in the mould or core production vary according to the quality of the sand and use.  
In relation to the sand itself **silicate** amounts result from 2.1 to 4.5 wt .-%.

The hardening of the sand mixture is carried out by gassing with CO<sub>2</sub> or esters, which are added as a crosslinking agent of the sand mixture.

Technical data	<u>Silicate 3b</u>	<u>Silicate 5</u>	<u>Silicate 24</u>	<u>Silicate 24b</u>
Decay share (%):	7	19	0	0
Density (20°C) (g/cm <sup>3</sup> ):	1,50-1,53	1,50-1,53	1,52-1,54	1,50
Viscosity (mPas):	1000	2000-3000	1000-1500	200-300
Water glass module:	2,35	2,4	2,4	2,4

**Packaging** Disposable drum á 300 kg, IBC á 1.500 kg and tanker

**Storage** Store **silicates** frost-free. Do not store in containers made of zinc, aluminum or light metal alloys. Use only approved steel or plastic container.  
Close container tightly after usage.  
Shelf life 12 months (silicate 3b and 5) resp. 24 months (silicate 24 and 24b) when properly stored inside in original unopened container.

**Regulations and information** **Silicates** are classified and labeled according to the CLP regulation and correspond to the current EC regulation.  
Information about transport regulations, fire-fighting measures, accidental release, ecology and further information can be found in the material safety data sheet.

All information in this data sheet are based on our current knowledge and experience. A legally binding assurance of certain properties or suitability for a specific purpose cannot be derived. Each user of our products has to verify the usability for its specific purpose in his personal responsibility. Rights must be observed if required.