

Dynasytan® SIVO 140

Water-borne inorganic-organic binder for two-pack zinc dust paints

Technical data

Properties and test methods	Value	Unit	Method
Solid content	approx. 21,5 - 23,5	(w/w)	3g / 2h 105 °C
Density	approx. 1,08 - 1,100	g/cm ³	DIN 51757
Viscosity	approx. 1-10	mPa.s	DIN 53015
SiO ₂	approx. 13,0 - 15,5	(w/w)	-

Registrations

Dynasytan® SIVO 140

DSL/NDSL (Canada):	*
PICCS (Philippines):	*
TSCA (USA):	*
IECSC (P.R. China):	*
ENCS (Japan):	*
ECL (South Korea):	*
EC (EU):	Yes
AICS (Australia):	*
* = upon request	

Dynasytan® SIVO 140 is an acidic silane based, fully hydrolysed and almost VOC-free binder. It can be thinned with water or water-soluble organic solvents. Dynasytan® SIVO 140 can be formulated with fillers and pigments. Formulations based on Dynasytan® SIVO 140 cure at room temperature.

The advantages of Dynasytan® SIVO 140 formulations include:

1. improved heat resistance compared to organic binders
2. almost zero VOC
3. room temperature curing
4. low or higher film thicknesses are possible
5. good adhesion of top coats

Dynasytan® SIVO 140 is water-borne and therefore more environmentally friendly than traditional zinc silicate coatings based on silicic acid esters.

Safety and handling

Before considering the use of Dynasytan® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use. The Safety Data Sheet is available after registration on our website www.dynasytan.com or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

Packaging, storage and shelf life

Dynasylan® SIVO 140 is supplied in 25 kg PE drums and 200 kg PE-inlined steel drums and 970 kg IBC containers.

Due to its water content Dynasylan® SIVO 140 must be stored above freezing temperature. Storage temperatures must not exceed 40 °C.

In sealed containers Dynasylan® SIVO 140 has a shelf life of min. 12 months from delivery.

Properties and applications

For formulation and application support please have a look at our technical information.

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