

Product Information

Dynasytan® SIVO 140

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

CAS NUMBER

confidential

PRODUCT DESCRIPTION

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.

Typical Properties

Property	Unit	Value
Chemical Name		Water-borne inorganic-organic binder
Density DIN 51757	g/cm ³	1.08-1.10
pH Value DIN 38404-C5		3-4.5
Viscosity DIN 53015	mPa·s	1-10

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Dynasytan® SIVO 140 can be formulated with fillers and pigments. Formulations based on Dynasytan® SIVO 140 cure at room temperature.

Product Composition

Product Composition	Unit	Value
Silicon Dioxide (SiO₂) Content	wt%	13.0-15.5
Solids Content 3 g/ 2 h 105 °C	wt%	21.5-23.5

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

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.

HANDLING & PROCESSING

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 on our website <https://silanes.evonik.com/en> or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

PACKAGING

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

STORAGE

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

SHELF LIFE

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

Registration Listings

Registry	Status
Australia (AIIC)	Information on Request
Canada (DSL)	Information on Request
China (IECSC)	Information on Request
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Information on Request

Registration Listings

Registry	Status
South Korea (KECL)	Information on Request
Philippines (PICCS)	Information on Request
United States of America (TSCA)	Information on Request

Disclaimer

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