

GUIDE TO SEALERS

WHAT ARE THE EXPECTATIONS OF THE SEALER

To be topically applied or penetrating
 Water repellency
 Color or one that is transparent
 Increased abrasion resistance
 Chemical resistance.. & to which chemicals
 Dustproofing
 Glossy surface
 Light reflectance
 Potable water approval

A sealer is not a curing compound, nor a curing & sealing compound, and can not be expected to compensate for concrete that is inadequately cured.

CONSIDERATIONS IN SELECTING A SEALER

Is it a vapor barrier, or breathable
 Is the application interior or exterior
 What are the main benefits the owner is looking to receive
 Is there a warranty required
 Does the sealer contribute to making the surface more slippery
 How soon after concrete placement can the sealer be applied
 What is the recommended surface preparation for the sealer
 How is the material applied (spray & run, or dump & scrub)
 Turn-around time (how soon can the area treated surface be used)

SURFACE PREPARATION

Surfaces should be clean, free of oil, grease, dirt, paint, curing compounds and the like
 On burnished or extremely dense floors, older dirty floors or for epoxy or urethane applications, mechanical surface preparation is recommended (such as: high pressure water, shot blasting, sand blasting)

PREPARATION BEFORE APPLICATION

When using a sealer that is a vapor barrier always perform a vapor transmission (VT) test after the surface preparation is completed and just prior to the material application. VT can cause surface defects & weaken the bond of

the sealer to the substrate

Verify all traces of curing membranes and / or other contaminants are removed from the surface.

Be sure all materials have been preconditioned per manufacturers recommendation.

Always mix the sealer prior to use. For 2-component sealers, first pre-mix each component then mix the entire unit together.

APPLICATION

Apply the sealer in accord with the manufactures recommendations

Several thin applications better than one heavy application

Apply uniformly for best performance & esthetic value

Always recommend a mock-up using the same applicator that will do the job; Texture, color, uniformity, transparency are all subjective.

DAYTON SUPERIOR SEALERS

• Acrylic, Water-Based, breathable:

Safe Seal (J-24)

1. USDA Approved

Safe Seal Heavy Duty (J-24 HD)

1. USDA Approved

2. 5-year Dustproofing Warranty available*

• Gas/oil resistant, breathable methacrylate-based (solvent):

+Day-Chem Tuf Seal (J-35)

1. USDA Approved

2. 5-year Dustproofing Warranty available*

• High gloss, breathable sealer, methacrylate based (solvent):

+Day-Chem Aggre-Gloss (J-25)

1. USDA Approved

2. Available in a non-gloss formulation

• Anti-Spalling Compound, Linseed oil-based:

Day-Chem Anti-Spall (J-33)

Refer to www.daytonsuperior.com for latest Technical Data Sheet and MSDS
 7777 Washington Village Dr., Suite 130, Dayton OH 45459
 Customer Service: (888) 977-9600
 Technical Assistance: (866) 329-8724

GUIDE TO SEALERS

- Bio-Based, Low Odor, High Sheen, V.O.C. less than 92 g/L

Ultra Seal 30 EF

1. 30% solids
2. non-yellowing
3. V.O.C. @ 95 g/L
4. Ultra U.V. stability
5. Low odor
6. High Gloss

+Also available in an OTC formulation ___J-25 OTC and J-35 OTC

*Technical Services must be contacted prior to any application that will require a warranty

* EARTH FRIENDLY PRODUCTS:

Are Bio-based

V.O.C. of less than 100 g/L

High performance

Contribute to LEED EQ credit 4.2

* BIO-BASED:

Are high performance products primarily made from sustainable green ingredients that are more environmentally friendly than conventional solvent-based technologies or older water-based technologies

*Note For those in the Northeastern U.S.: The J-25 and J-35 are available in an OTC approved formulation and are called J-25 OTC and J-35 OTC

Certain other areas of the country, such as CA also restrict the VOC of products. Therefore some sealers may not be able to be used in these areas.

