



## Vetotop XT539

Non-metallic emery based dryshake monolithic floor hardener

### Uses

- Enhancing concrete floor surface properties.
- Provide an abrasion-resistant concrete floor surface.
- Fiber suppressant of concrete floors.
- Enhance the durability of concrete floors.
- Dust-proofing of concrete slabs.

### Product Description

Vetotop XT539 is a cementitious floor dressing material composed of hydraulic binders, selected hard-wearing aggregates, and special additives. It is supplied as a dry powder in pre-weighed bags ready to use on-site. Vetotop XT539 is applied by the dry shake method to provide a hard-wearing top surface that bonds monolithically to the concrete flooring. It is ideal for all industrial areas subjected to heavy traffic, such as power stations, heavy industry, agricultural buildings, distillation plants, laboratories, abattoirs, warehouse floors, loading bays, and workshops.

### Advantages

- Premixed, ready to use, offering factory-controlled quality assurance.
- Ease of application.
- High abrasion and impact resistance.
- Bonds monolithically to fresh concrete.
- No-dusting surface.
- Nonoxidizing.
- Slip-resistant finish.
- Provides a hard, dense surface resistant to oils and petroleum-based products.
- Suitable for internal and external use.
- Economic installation.

### Technical Data

Vetotop XT539	Typical Values
Appearance	Granular Grey / Color Powder
pH	12 - 13
Dry Density (Kg/L)	1.6 +/-0.1
Hardness (Moh's Scale)	9
Compressive Strength - ASTM C109 @ 28 Days (N/mm <sup>2</sup> )	85
Abrasion Resistance Improvement over control having 370 Kg cement and w/c=0.5 - ASTM C779 (%)	325
Impact Resistance (N)	
Without Damage	50
Slight indentation but no fracture	100
Harmfulness to ECC 88/379	No
VOC (gm/liter)	< 25

### Standards Compliance

- Tested according to ASTM C779

### Design Criteria

Use a properly designed nonbleeding concrete mix of required strength, with a minimum cement content of 300 Kg and a slump of 75 mm and not more than 3% entrained air. The surface is then floated with a wooden or aluminum float. After casting, remove any bleeding water from the concrete.

## Usage Instructions

### Application

Sprinkle Vetotop XT539 along edges of bays (Approx. 100 mm strips) where expansion and contraction joints will be located first. Float into the surface using a wooden float.

As soon as the concrete is firm enough to support the workman's weight, apply the first shake of Vetotop XT539. Use up to 2/3 of the total shake mix in the first application. Treat areas adjacent to walls and columns first. Spread the material evenly by sprinkling at right angles in two passes close to floor level. Allow applied material to absorb moisture from the concrete surface. Uniform darker color will be apparent.

Using a wooden float, float Vetotop XT539 into the concrete, ensuring material becomes an integral part of the surface. Follow second floating immediately after first floating. Spread the balance 1/3 of the material, follow promptly with second floating using wood or aluminum float or power float in case of large areas. A third power floating may follow for added compaction if required.

### Curing

Vetotop XT539 is a cementitious product. Follow all norms and practices of casting and curing cementitious products, either covering the surface with water and polyethylene sheets or applying a curing compound. Immediately after removing the polyethylene sheet, sweep the floor to remove any dust or loose particles.

### Cleaning

Clean tools with water promptly before material hardens. Hardened material can be mechanically removed.

## Packaging & Coverage

Product	Pack Size
Vetotop XT539	25kg Bag
Usage	Consumption
Light Duty	3-4 kg / m <sup>2</sup>
Medium Duty	5-7 kg /m <sup>2</sup>
Heavy Duty	8-9 kg/m <sup>2</sup>
Expansion Joints	1.5-2 kg/10cm strips

### Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Stated consumption data are for general guidance. Actual consumption depends on the nature of substrate, method of application, and wastage.

### Shelf Life & Storage

The original sealed bag of Vetotop XT539 has a shelf life of 12 months, provided it is stored clear of ground in a dry and shaded place below 35°C.

### Limitations

- After application, avoid rapid evaporation of water that may cause the small superficial fissures appearance due to plastic shrinkage.
- It is recommended to cover with impermeable sheets for the initial 24 hours.
- Do not apply the product at a temperature less than +5°C or excessive heat or high wind conditions.
- Ensure that enough labors, machinery, and material is available to complete treating the whole area before the concrete dries.
- Do not use Vetotop XT539 in areas that are exposed to acids. In the case of the colored floor, test a small area of the floor to ensure color integrity.
- For further information contact Saveto technical department.

### Health & Safety

Vetotop XT539 is highly alkaline; therefore, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be wash with soap & water. In case of eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Vetotop XT539 is non-flammable.

### Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.