

## SB Zeolite ( Chabazite species )

### Description

SB Chabazite Zeolite is a chabazite species zeolite, also containing small %s of Philipsite species zeolite. A natural hydrated calcium iron magnesium alumino-silicate mineral of volcanic origin.

SB Chabazite Zeolite supports soil biology by providing a "protective matrix" and a source of nutrients.

SB Chabazite Zeolite firms up soft surfaces and slowly releases nutrients to suit turf growth. It does not break down as easily as most other zeolite species.

### Specifications

Chemical composition      Typical Elemental Analysis (by weight):

SiO <sub>2</sub>	52 %	Al <sub>2</sub> O <sub>3</sub>	17 %
P <sub>2</sub> O <sub>5</sub>	0.3 %	TiO <sub>2</sub>	0.5 %
K <sub>2</sub> O	6.1 %	CaO	5.7 %
FeO	3.6 %	MgO	2.0 %
MnO	0.2 %		

#### **Mineral composition (Typical)**

**Chabazite:** 70 %

**Philipsite:** 2 %

**K-feldspar** 5 %

**Colour** : yellowy-grey

**Texture** : amorphous granules

**Behaviour** : free-flowing

### Physical characteristics

**Free Water** (i.e. not bound) : < 5 %

**Bulk Density** : 700 - 900 gms / litre

**pH** : 6.5 - 7.5

**CEC (Cation Exchange Capacity)** : typ. 230 meq / 100g

**Granulometry** : various

### Storage

Store in dry conditions in well-closed bags.

### Application

For new rootzones / growing media - Mix at a 0.5 kg to 1 kg per 1 tonne of rootzone.

To absorb water in existing rootzones - Apply to top 4-5 cm at 5-10 tonnes/ hectare.

To increase CEC - Min. 1 tonne/ hectare, after "microtining". Overdose impossible.

### Compatibility

For details of compatibilities, contact your Soil Biology Ltd representative  
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For additional technical advice contact: Hillery Murphy 07342 640650