

## OLIDENSE 0/40

### Dense Olivine

### Features & Benefits

### Åheim – Norway

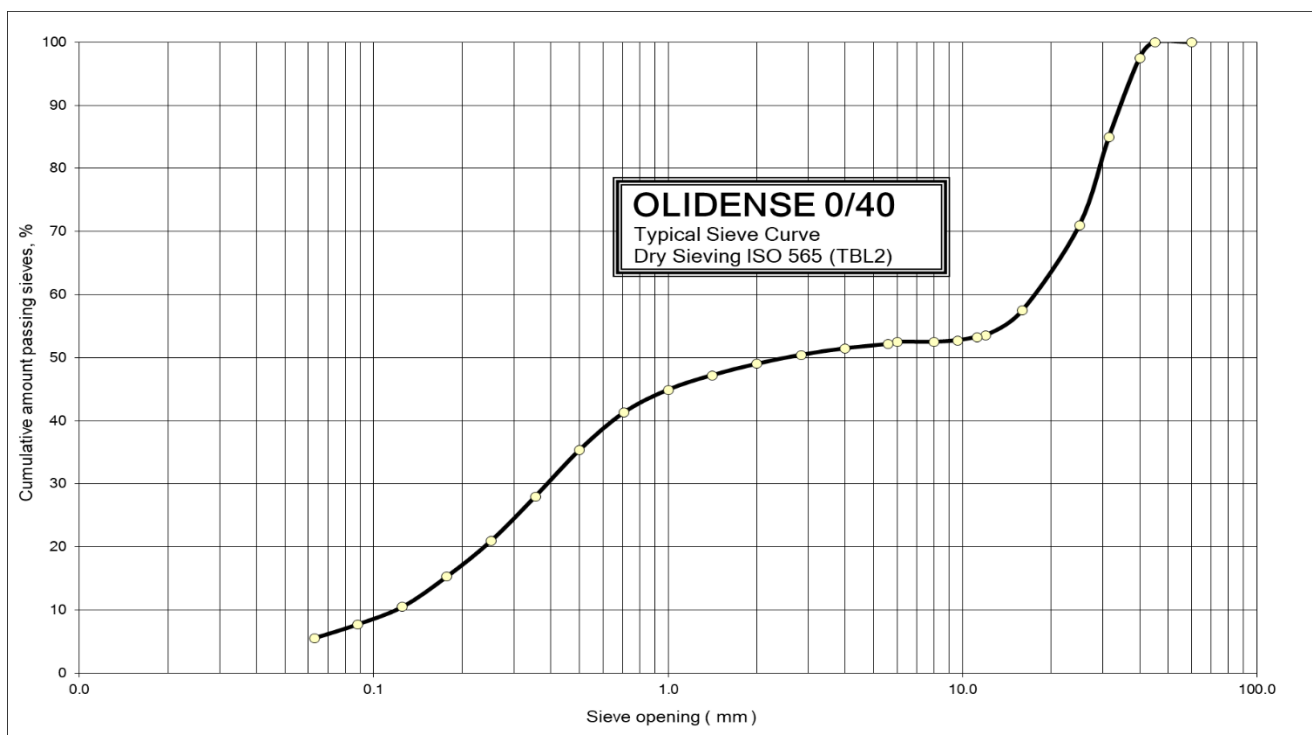
OLIDENSE Olivine 0/40 is produced from olivine, a naturally occurring deep earth mineral with a chemical composition of Magnesium-Iron Silicate,  $[\text{Mg,Fe}]_2\text{SiO}_4$ . With a specific density of 3.25 tonnes per  $\text{m}^3$  and a Water Saturated compacted Density of  $2.70 \pm 0.10$  tonnes per  $\text{m}^3$ , OLIDENSE Olivine 0/40 may be applied as a ballasting material in the most challenging and demanding offshore designs and constructions.

Optimization of density of the OLIDENSE Olivine 0/40 has revealed a peak of the water saturated density at a level of 45 percent of particles of sizes less than 1.0 mm. OLIDENSE Olivine 0/40 has been applied in various ballasting projects since 1986 including Oilrigs, Windmills and Bridge Pier shafts and Pylons.

All OLIDENSE Olivine products are produced with adherence to ISO 9001, ISO 14001 and ISO 50001; quality, environmental and energy management systems.

### Particle Size Distribution and Properties

Mean values. These do not represent a specification.



OLIDENSE Olivine 0/40 CS Characteristics	Method	Unit	Typical Value
Specific Gravity	EN 1097 – 6:2000	ton/ $\text{m}^3$	3.25
Non Compacted Dry Bulk Density	EN 1097 – 3	ton/ $\text{m}^3$	2.00 – 2.20
Compacted Dry Bulk Density	EN 1097 – 3	ton/ $\text{m}^3$	2.20 – 2.40
Water Saturated Non Compacted Density	Offshore Standard	ton/ $\text{m}^3$	2.60 – 2.80
Water Saturated Compacted Density	Offshore Standard	ton/ $\text{m}^3$	2.70 – 2.85
Volume Weight Non Compacted Dry Bulk	EN 1097-3	$\text{m}^3$ /ton	0.46 – 0.50
pH (flour)			8.9 – 9.5
Moisture		%	Max. 5.0
Hardness	Moh's Scale		6.5 – 7.0

## Chemical composition

Mean values. These do not represent a specification.

			Olivine 0/40 CS
% by weight	MgO	Magnesium Oxide	47.0
	SiO <sub>2</sub> *	Silicon Oxide*	43.0
	Fe <sub>2</sub> O <sub>3</sub>	Iron Oxide	7.5

\* Present as silicate, contains < 0.1% free crystalline silica.

## Availability

OLIDENSE Olivine 0/40 is available in Bulk from our deposit at Åheim plant. We deliver worldwide. Availability might vary depending on the product requested or the point of destination.

## Technical Service

Our skilled technical staff will upon request be able to provide you with additional information concerning the usage and performance of our products.

## For Product Information & Customer Service

Tel: + 46 8 40 83 84 22

Email: [Customersupport.nordic@sibelco.com](mailto:Customersupport.nordic@sibelco.com)

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The technical data presented here is for marketing purposes only and is not contractually binding, the data herein is determined using Sibelco standard test methods. Since the product is based upon a naturally occurring material, we reserve the right to change this data when necessary. Safety information accompanying this product is available in the form of an SDS. All sales are undertaken strictly in accordance with our "General Conditions of Sale", available upon request, or by a written sales agreement duly signed by us.

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