



# INTERSORB® 408

## 4 to 8 Mesh Indicating + Non-Indicating Soda Lime | Grade D

### Description

Intersorb® 408 NI (Non-indicating)  
Intersorb® 408 WV (Indicating)

Intersorb® 408 is comprised of 3 mm cylindrical granules. It has been developed specifically for use in saturation diving systems and other industrial applications, where humidity levels can be significantly lower than in personal protection closed circuit applications.

In these applications, Intersorb® shows a significant increase in CO<sub>2</sub> absorption capacity, compared with standard soda lime formulations.



### Specifications

#### Chemical Composition: Intersurgical Tests

	Intersorb® 408 NI	Intersorb® 408 WV
Calcium Hydroxide	97%	97%
Sodium Hydroxide	3%	3%
Ethyl Violet	NIL	0.03%

Note: These figures represent the dry constituents. The product additionally contains 14% to 18% water.

#### Physical Properties: NATO test standard STANAG No. 1411

Particle Size	Intersorb® 408 NI + WV	Specification
Over 2.80 mm	0.6%	Max 1%
2.00 to 2.80 mm	25%	Max 30%
1.4 to 2.0 mm	Balance	Balance
0.600 to 1.40 mm	6%	Max 20%
under 0.600 mm	0.5%	Max 1%
Moisture Content	16%	14% to 20%

**Specifications**

**Physical Properties: NATO test standard STANAG No. 1411**

	Intersorb® 408 NI + WV	Specification
Hardness <i>(% retained on 1.4 mm screen)</i>	87%	Min 80%
Resistance to Flow <i>(40 L/min, absorber 10 cm diameter, 12.5 cm height, volume 1 litre)</i>	1.4 mbar unused 1.6 mbar used	

**Carbon Dioxide Absorption: EN14143 with Ambient Air**

	Intersorb® 408 NI + WV	Specification
Time to 0.5% CO <sub>2</sub> breakthrough	100 minutes	80 Minimum
CO <sub>2</sub> Capacity	150 kg/L	120 kg/L Minimum

105 ml absorbent in 30 mm diameter tube.  
 Challenge gas: 3.0 L/min air containing 5% CO<sub>2</sub>.  
 Humidity 100%  
 Temperature 20°C

**Packaging, Transportation + Disposal**

Intersorb® 408 is available in 45 pound airtight kegs. Standard shipping applies. Dispose of in accordance with local, state, and federal regulations.

**Storage + Handling**

Store in a dry, well ventilated area away from incompatible substances, such as strong acids. Avoid excessive temperatures. Keep container tightly sealed. Do not leave absorbent exposed to air for prolonged periods. Dust may cause irritation. Avoid breathing dust. Avoid contact with eyes. Wash hands and contact area after handling.

**Precautions**

Irritating to eyes, respiratory system and skin (see handling above).

**Warranty**

Dive Long will replace any material found to be defective, but accepts no liability through improper storage, handling or application of this product.

**Disclaimer**

All data provided herein is based upon years of research, laboratory testing and actual product usage. Dive Long makes no representations or warranties of any kind concerning this information.