



# INTERSORB® RG

## 4 to 8 Mesh Indicating + Non-Indicating Soda Lime

### Description | Application

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

Intersorb® Subsea 408 is comprised of 3mm 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.

Military, Diving, and Medical applications (Conditions where keeping air breathable when circulation with outside air is impossible).



### 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 19.5% to 22.5% water.

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

| Particle Size     | Intersorb® 408 NI + WV | Specification  |
|-------------------|------------------------|----------------|
| Over 5.6 mm       | 0%                     | Max 1%         |
| 4.75 to 5.60 mm   | 0%                     | Max 7%         |
| 2.00 to 4.75 mm   | Balance                | Balance        |
| 0.600 to 2.00 mm  | 5%                     | Max 15%        |
| under 0.600 mm    | 0.4%                   | Max 1%         |
| Bulk density kg/L | 0.84 to 0.90           |                |
| Moisture Content  | 20.5 to 22.5%          | 19.5% to 24.5% |

**Specifications**

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

|  | Intersorb® 408 NI + WV           | Specification |
|--|----------------------------------|---------------|
| Hardness<br><i>(% retained on 1.4 mm screen)</i>   | 92%                              | Min 75%       |
| Resistance to Flow<br><i>(40 L/min, absorber 10 cm diameter, 12.5 cm height, volume 1 litre)</i> | 0.9 mbar unused<br>1.1 mbar used |               |

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

|                                 | Intersorb® 408 NI + WV | Specification |
|---------------------------------|------------------------|---------------|
| CO2 Absorption NATO STANAG 1411 | 74 minutes             | 60 Minimum    |

3 litre absorber  
 20 x 2 litre breaths per minute.  
 Challenge gas = ambient air 45 % to 65 % RH and 20oC to 25oC containing 1.6 L/min CO2.  
 Atmospheric pressure

**Packaging, Transportation + Disposal**

Intersorb® Subsea 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.