



Monti & Barabino, established in 1880, is based in Genoa and operates in the field of Technical Items supplies for the Industrial and Maritime Sectors.

The extremely wide experience matured in more than 135 years of activity and its highly qualified personnel composed by technicians, marine engineers, naval architects etc., enables the Company to offer the most complete and efficient technical and commercial assistance.

Moreover, the products stocked in its large warehouse allows it to promptly satisfy any kind of enquiry, while its workshop is able to manufacture all types of packings and gaskets comprising the moulding of rubber and elastomer of various types, including silicon, Fluoropolymer, Polyurethane, etc.

Since February 2004, Monti & Barabino S.p.A. improved its Quality Management System in accordance with **UNI EN ISO 9001** regulations, obtaining the certification through **R.I.NA.** This prestigious acknowledgement is a confirmation of our constant effort in offering excellent quality and service to all those Customers who have chosen and will choose our Company as their supplier.



Our workshop, acting as



□ Official distributor, is able to offer:

- FLEXIBLE HOSES FOR LOW, MEDIUM AND VERY HIGH PRESSURE
- MED APPROVED FLEXIBLE HOSES
- TYPE APPROVED SHIP TO SHORE AND INDUSTRIAL COMPOSITE HOSES
- HIGH PRESSURE STEAM HOSES
- HIGH PRESSURE CLEANING HOSES
- RUBBER, STAINLESS STEEL AND TEXTILE EXPANSION JOINTS

Moreover:

- HYDRAULIC TEST FACILITIES
- MANAGEMENT OF TESTING PROCEDURES IN PRESENCE OF CLASSIFICATION BODIES
- PRESSED FITTINGS ON LARGE BORE RUBBER HOSES UP TO 10"



MECHANICAL WORKSHOP and PIPE WORKSHOP are available for the execution of customized processes on our semi-finished products. Thanks to the wide availability of WAREHOUSE we are able to satisfy your needs in a short time, organizing and managing your shipments in a very short time.

We perform CNC turning and cutting on rubber and metal semi-finished products; we mold details and rubber gaskets.





We produce gaskets in any material, even according to Customer's design, including padded copper and spiral wound gaskets.

We sew and assemble insulating mats and textile joints: wide choice of fabrics for high temperatures.





Laser marking of finished products and components

We are an authorized assembling center, hydraulic hoses up to 3" and industrial hoses up to 10". Ask for our FLEXIBLE HOSES and ACCESSORIES CATALOG







Approved welders able to manufacture special fittings according to Customer's specifications.

We perform internal hydrostatic tests, also in the presence of an external Certifying Body.











ARALDITE® 2011 A/B

(AW 106 Resin/Hardener HV 953) MULTI-PURPOSE EPOXY ADHESIVE

Description:

Araldite 2011 A/B epoxy adhesive is a multipurpose, viscous material that is suitable for bonding a variety of materials, including metal, ceramic, and wood.

The electrically insulating adhesive is easy to apply either manually by spatula and stiff brush or mechanically with meter/mix and coating equipment. Araldite 2011 A/B epoxy adhesive cures at temperatures from 68°F (20°C) to 356°F (180°C) with no release of volatile constituents.



Applications:

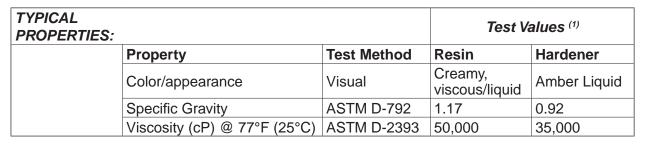
- Metal
- Ceramics
- Wood
- Vulcanized Rubber
- Foams
- Plastics

Advantages:

- Long open time
- High shear and peel strength
- Easy to apply
- Good resistance to static and dynamic loads
- Electrically insulating

Adhesives and Sealants





TYPICAL MIXED PROPERTIES:			
Property	Test Method	Test Values (1)	
Reaction Ratio (by weigh	ght)	100R/80H	
Reaction Ratio (by volu	me)	100R/100H	
Pot Life, hours @ 77°F (4.fl. oz. mass)	(25°C) ASTM D-2471	2	
Mixed viscosity (cP) @ (25°C)	77°F ASTM D-2393	45,000	

¹Tested @ 77°F (25°C)

RECOMMENDED **CURE SCHEDULES:**

(L 00) /LD 0 L L 0			
	Temperature	Handling Strength	Minimum Cure Time
	68°F (20°C)	12 hours	15 hours
	77° (25°C)	7 hours	12 hours
	104°F (40°C)	2 hours	3 hours
	158°F (70°C)	30 minutes	50 minutes
	212°F (100°C)	6 minutes	10 minutes
	302°F (150°C)	4 minutes	5 minutes

TYPICAL CURED **PROPERTIES:**

Application of Adhesive

The resin/hardener mix is applied with a spatula to the pretreated and dry joint surfaces.

A layer of adhesive 0.002 to 0.004-inches (0.05 to 0.10-mm) thick will normally impart the greatest lap shear strength to a joint.

The joint components should be assembled and clamped as soon as the adhesive has been applied. Even contact throughout suffices to ensure proper cure.

Standard Test Specimens

Unless otherwise stated, the figures given below were all determined by testing standard specimens made up by lap-jointing 4-inch x 1-inch x 0.06-inch (10-cm x 2.5-cm x 1.5-mm) strips of aluminum. The joint area was 0.5 x 1 inch (12.5 mm x 2.5 cm) in each case.









Adhesives and Sealants



CAF 1

One component self-leveling silicone sealant, acetic, that cures at room temperature.

It guarantees a perfect assembly and a complete seal in the presence of materials subject to high temperatures.

Applications:

Easy to apply, it is used on glass, enamel, paint, metal and polyester. Essential for sealing O-ring silicone gaskets.

Properties:

Aspect	Fluid, red paste		
Working temperature			
- max.	°C	+300	
- min.	°C	-65	
Hardness	Sh A	48	
Elongation at break	%	220	
Solid content	%	86	
Curing time:			
- Film layer @ 23°C humidity	50%	7 min	
- Setting time tk 2 mm @ 23°C humidity	50%	5 ore	
Specific Gravity	1,12		
Odour	Acetic		

Commercial sizes:

Tube 100 gr.....cod. 6523.0010 Bottle 1 lt.....cod. 6523.0015



Adhesives and Sealants





CAF 4

One component self-leveling silicone sealant, acetic, that cures at room temperature.

It guarantees a perfect assembly and a complete seal in the presence of materials subject to high temperatures.

Applications:

Easy to apply, it is used on glass, enamel, paint, metal and polyester.

Essential for sealing O-ring silicone gaskets.

Properties:

Aspect	Viscous, off-white paste	
Working temperature		
- max.	°C	+250
- min.	°C	-65
Hardness	Sh A	36
Elongation at break	%	300
Solid content	%	86
Curing time:		
- Film layer @ 23°C humidity	50%	11 min
- Setting time tk 2 mm @ 23°C humidity 50%	50%	5 ore
Specific Gravity	1,12	
Odour	Acetic	

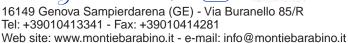
Commercial sizes:

Tube 100 gr.....cod. 6523.0004 Bottle 1 lt......cod. 6523.0014













COPALTITE® HIGH TEMPERATURE & PRESSURE SEALANT

Description

Heat-resistant compound used for sealing threads, flanges, and other fittings where very high temperatures and pressures are involved.



Applications

Turbines, heat exchangers, compressors, condensers, etc, in the presence of water, steam, oil, hydrocarbons, ammonia, hydraulic fluids, Freon, non-aggressive acids and alkalis. Characterized by good adhesion to rubber, metals, ceramics, glass and to most of the plastic materials

In compliance with MIL-S-15204D

Features

Working Temperature		
- max.	°C	815
- min.	°C	-192
Viscosity	cps	10,000
Coefficient of expansion	x10 ⁻⁶	50
Solid Content	%	86
Curing time after heating		
@ > 150°C	min.	15
@ < 150°C	h.	4
Color	black	

Commercial size

Tube 140 gr......cod. 6523.7000







PERMATEX® **GASKET SEALANT**

Available in three different versions for a quick and effective solution of sealing problems.







Features

04.47.00				
Туре	Cod	Issa	Generality	Applications
1 - HARD	6523.3521	812611	Hard fast curing paste, perfect for hard and/or permanent assembly. It seals and repairs a wide range of gaskets, it fills irregular flanges surfaces and seals pipe fittings and threaded assemblies.	55 °C to 204 °C, pressure up to 350 kg/cm, reddish brown color. Water, petrol, oils, lubricants and aliphatic hydrocarbons resistant.
2 - SOFT	6523.3522	812612	suitable to assembly parts where a flexible setting is	
3 - FLUID	6523.3523	812613	forms a flexible skin. It's suitable to ensure the sealing of strong assembly. It's used for head gaskets	Working temperature from 55 °C to 204 °C, reddish brown color. Water, petrol, oils, lubricants and aliphatic hydrocarbons resistant. Can be applied with roll or brush.









Monti & Barabino s.p.A.



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