

RESCOBOND PRODUCT DESCRIPTIONS

Rescobond® AA-22S is a chemically bonded, erosion resistant, single component refractory material used primarily in thin lining applications to protect against severe abrasion. To prepare for use, mix the **RESCOBOND AA-22S** with water. **RESCOBOND AA-22S** is an air setting material. It can be used to patch other refractory linings.

Rescobond® AA-22 Brush Mix is a slurry material that's ideal for strengthening existing refractory lining surfaces. It can be applied to 1/4" thick providing increased refractory protection without a great loss of volume to your unit. At an application thickness of 1/4", one 65 pound pail will cover approximately 18 square feet. Its white, reflective, surface finish helps to reduce heat loss by reflecting heat back into the unit.

Rescobond® 3000 is a phosphate bonded, chemically setting refractory castable that is prepared for use by mixing with water. It develops a quick set, and can be heated shortly after installation to provide a fast "back on line" capability for your unit. In addition to its use as a primary lining, **RESCOBOND 3000's** chemical bonding system provides adherence to existing refractory, making it an effective patching material. **RESCOBOND 3000** can be installed by vibration casting or hand-packing techniques.

Rescobond® 3000A is a phosphate bonded, chemically setting refractory castable that is non-wetting to molten aluminum. When mixed with water, it develops a quick set, and can be heated shortly after installation to provide a fast "back on line" capability for your unit. In addition to its use as a primary lining, **RESCOBOND 3000A's** chemical bonding system provides adherence to existing refractory, making it an effective patching material. **RESCOBOND 3000A** can be installed by vibration casting or hand-packing techniques.

Rescobond® 3000G is a single component phosphate bonded, chemically setting refractory gunning mix. It develops a quick set and can be heated shortly after installation to provide a fast "back on line" capability for your unit. It's chemical bonding system provides adherence to existing refractory, making it an effective patching material. **RESCOBOND 3000G** can be installed by gunning using conventional gunning equipment or hand-packing techniques.

Rescobond® 3000AG is a single component phosphate bonded, chemically setting refractory gunning mix that is non-wetting to molten aluminum. It develops a quick set and can be heated shortly after installation to provide a fast "back on line" capability for your unit. It's chemical bonding system provides adherence to existing refractory, making it an effective patching material. **RESCOBOND 3000G** can be installed by gunning or hand-packing techniques.

Rescobond® 90 is a phosphate bonded, high purity, 90% alumina refractory castable that is prepared for use by mixing with water. It develops a quick set, and can be heated shortly after installation to provide a fast "back on line" capability for your unit. In addition to its use as a primary lining, **RESCOBOND 90's** chemical bonding system provides adherence to existing refractory, making it an effective patching material. **RESCOBOND 90** can be installed by vibration casting or hand-packing techniques.

Rescobond® 90A is a phosphate bonded, high purity, 90% alumina refractory castable that is non-wetting to molten aluminum. When mixed with water, it develops a quick set, and can be heated shortly after installation to provide a fast "back on line" capability for your unit. In addition to its use as a primary lining, **RESCOBOND 90A's** chemical bonding system provides adherence to existing refractory, making it an effective patching material. **RESCOBOND 90A** can be installed by vibration casting or hand-packing techniques.

22 Caulk is shipped in ready-to-use caulking tubes and is applied with a caulking gun. **22 Caulk** is used to fill cracks and joints in refractory linings.

RESCOBOND AA-22S

RESCOBOND 3000

RESCOBOND 3000A

RESCOBOND 3000G

RESCOBOND 3000AG

RESCOBOND 90

RESCOBOND AA-22S

RESCOBOND 3000

RESCOBOND 3000A

RESCOBOND 3000G

RESCOBOND 3000AG

RESCOBOND 90

RESCOBOND AA-22S

RESCOBOND 3000

RESCOBOND 3000A

RESCOBOND 3000G

RESCOBOND 3000AG

RESCOBOND CASTABLES

A family of
phosphate-bonded
refractory
castables



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Typical Physical Data : RESCOBOND

The **RESCOBOND** family of products are phosphate-bonded, chemically setting refractory castables that are prepared for use by simply mixing with water. They develop a quick set and can be heated shortly after installation without a dryout schedule to provide a fast "back on line" capability for your application. **RESCOBOND**'s chemical bonding system provides adherence to existing refractory, making it a highly effective monolithic repair and continuous lining material.

Product	Service Temp. °F	Al ₂ O ₃ %	Bulk Density (pcf)	REHEAT PROPERTIES						Erosion Loss	
				Cold Crushing Strength (psi)		Modulus of Rupture (psi)		Permanent Linear Change (%)		cc	
				1500°F	2500°F	1500°F	2500°F	1500°F	2500°F	1500°F	2500°F
Rescobond AA-22S	3000	80.0	154-167	12000-20000	---	1800-2400	---	-0.3 to 0.0	---	<4.0	---
Rescobond 3000	3000	55.1	140	5000-9000	8000-12000	1200-1500	1400-1700	-0.3 to 0.0	-0.3 to 0.0	<12	<10
Rescobond 3000A	3000	55.1	140	5000-9000	8000-12000	1200-1500	1400-1700	-0.3 to 0.0	-0.3 to 0.0	<12	<10
Rescobond 3000G	3000	55.1	128	3500	11100	---	1450	---	+0.5	---	---
Rescobond 3000AG	3000	55.1	128	3500	10800	---	1340	---	+0.5	---	---
Rescobond 90	3200	90.0	165	7500	21000	---	3800	-0.3	-1.1	6.5	4.0
Rescobond 90A	3200	90.0	165	8200	---	2600	---	-0.4	---	6.8	---

Also available: AA-22 Brush Mix, 22 Caulk

Some of **RESCOBOND**'s unique properties are:

- Adheres immediately to refractory surfaces without additional anchoring
- Requires no curing period or dryout
- Non-hazardous single component product-just add water to the mixer
- Excellent physical properties for most industrial applications
- Excellent for precast shapes that require immediate usage
- Ideal for patching existing linings, or can be used for full linings

Product	Service Temp. °C	Al ₂ O ₃ %	Bulk Density (Kg/m ³)	REHEAT PROPERTIES						Erosion Loss	
				Cold Crushing Strength (Kg/cm ²)		Modulus of Rupture (Kg/cm ²)		Permanent Linear Change (Kg/cm ²)		cc	
				815°C	1370°C	815°C	1370°C	815°C	1370°C	815°C	1370°C
Rescobond AA-22S	1650	80.0	2528-2720	840-1400	---	126-168	---	-0.3 to 0.0	---	<4.0	---
Rescobond 3000	1650	55.1	2240	350-629	560-839	84-104	98-118	-0.3 to 0.1	-0.3 to 0.0	<12	<10
Rescobond 3000A	1650	55.1	2240	350-630	560-840	84-105	98-119	-0.3 to 0.0	-0.3 to 0.0	<12	<10
Rescobond 3000G	1650	55.1	2048	245	777	---	101	---	+0.5	---	---
Rescobond 3000AG	1650	55.1	2048	245	456	---	94	---	+0.5	---	---
Rescobond 90	1760	90.0	2640	525	1470	---	266	-0.3	-1.1	6.5	4.0
Rescobond 90A	1760	90.0	2640	574	---	182	---	-0.4	---	6.8	---

Other products available from RESCO:

- Insulating Castables
- Erosion Resistant Castables
- Refractory Plastics
- Ramming Mixes
- Basic Gunning Mixes
- Bonding Mortars
- Car-Top Shapes
- Minerals
- Self Leveling Castables
- Fire Clays
- Conventional Castables
- Low Cement Castables

