

# Refractory Mortars

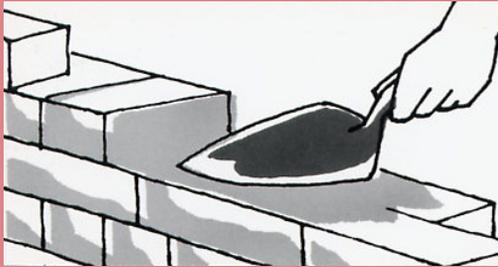
Wet & Dry Mortars



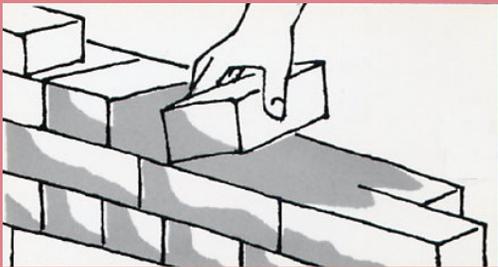
**RESCO**<sup>®</sup>  
PRODUCTS, INC.

[www.RescoProducts.com](http://www.RescoProducts.com)

# Clay/Alumina Mortars



Trowel thin "cushion" of mortar where brick is to be laid.



Trowel or dip contact surfaces of brick, slide into place.



Tap the brick firmly into place with hammer against the top.



Tap brick firmly with hammer against side as shown.

	Product	Container Size	Description
<b>WET</b>	Adamant X Green	IN 55 LB Pail	Fin
	Adamant X Yellow	IN 55 LB Pail	Fin
	Rescoset MD	IN 55 LB Pail	
	Super Adamant	IN 55 LB Pail	Hig
	Super Adamant Trowel	IN 55 LB Pail	Hig
	Adaphos 85		
	Adacore 70		
	LL50S Dip		
	LL 3000 Trowel*	IN 50 LB Pail	
	LL 3000 Dipping*	IN 50 LB Pail	Su
	LL 70 Trowel*	IN 50 LB Pail	
	LL 70 Dipping*	IN 50 LB Pail	Hig
	LL 80 Trowel*	IN 50 LB Pail	
	LL 80 Dip*	IN 50 LB Pail	Hig
	LL 85 Trowel*	IN 50 LB Pail	
	LL 85 Dip*	IN 56 LB Pail	Hig
	LL 85 PB Trowel*		
	LL 85 PB Dip	IN 55 LB Pail	Hig
	LL 85PB	IN 50 LB Pail	
	LL 90PB*	IN 50 LB Pail	Hig
Rescoset 10CR	IN 55 LB Pail		
Rescoset 10 CR Dip	IN 55 LB Pail	Hig	
A-O Brush Mix	IN 45 LB Pail	Oxid car	
<b>DRY</b>	Lo-Set	IN 50 LB Bags	Su
	Fifty-Fifty Mortar		Sup
	Metaldam	IN 55 LB Bags	
	Alutab	IN 55 LB Bags	Hig

\* Winter version available. For more information please contact...

# Clay/Alumina Mortars

Application	Temperature Limit °F	Al <sub>2</sub> O <sub>3</sub> %	SiC %	Set	Amount to lay 1000 9" Straights
Refractory-silica based mortar	2800	4.6		Air	325-400
Refractory-silica based mortar	2800	4.6		Air	325-400
High alumina Bonding mortar	2800	16.1		Air	325-400
High alumina bonding mortar	3000	36.2		Air	325-375
High alumina bonding mortar					
High alumina bonding mortar	3000	48.0		Air	350-400
High alumina bonding mortar	3100	72.0		Air	375-450
High alumina bonding mortar	3200	79.2		Air	400-450
High alumina bonding mortar	3200	83.1		Air	400-450
High alumina bonding mortar	3200	86.1		Phos	400-450
High alumina bonding mortar	3300	89.6		Phos	400-450
High alumina-chrome mortar	3200	80.6		Phos	400-500
Protection protective coating for carbon-containing refractory				Phos	One gallon per 40 ft <sup>2</sup>
High alumina bonding mortar	3000	40.9		Heat	290-325
High alumina bonding mortar	3000	34.0		Heat	290-325
High alumina mortar	3100	59.8		Heat	290-325
High alumina bonding mortar	3400	85.5		Air	450-500

Contact your sales rep.

# Basic Mortars

## Wet & Dry

ADAMANT  
 ADAPHOS  
 ADACOR  
 ALUTAB  
 A-O BRUSH MIX  
 GRFG MORTAR  
 LARCOBOND  
 LADLELOCK  
 LO-SET  
 MAG CARBON  
 MAGLOCK  
 METALDAM  
 PERMANENTE  
 RESCOSET  
 SUPER ADAMANT  
 TROWLEZE



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	Product	Description	Item Number	MgO %	Set	Amount to lay 1000 9" straights	Other Key Ingredients		Standard Container Size
							Cr <sub>2</sub> O <sub>3</sub>	Carbon	
WET	Permanente Mortar	High MgO mortar	7285-0050	95	Air	370-420	---	---	50lb bag
	GRFG Mortar	Fused Magnesia-Chrome mortar	1006-0055	51.8	Air	410-460	18.3	---	55lb bag
	Rescoset Chrome Mortar	Chrome ore based mortar	7281-0055	7.9	Air	440-490	38.2	---	55lb bag
	Larcobond	Chrome ore based mortar	0967-0055	17.1	Heat	440-490	32.9	---	50lb bag
DRY	Mag Carbon Dip	High MgO mortar with graphite designed for MgO-	0186-0056	21.1	Air	450-500	---	20.0	55lb pail
	Maglock	High MgO mortar for steel ladles	3098-0053	88.5	Air	370-420	---	---	53lb pail

### Mixing Dry Mortars

- Any suitable size mixing container may be used, provided it is clean and free of all contaminating materials, such as Portland cement and other non-refractory materials.
- The water should meet pure drinking water standards and, where practical, should be warm.
- Although dry air-setting mortars can be used immediately after being mixed with water, a creamier texture is achieved if they are mixed at least 12 hours before using.
- **Shelf-life** of dry mortars is typically 12 months from date of manufacture when stored properly.

### Preparing Wet Mortars

- If it is necessary to thin a mortar, drinking quality water should be added in small amounts and each addition mixed thoroughly before more water is added.
- Frozen mortar must be completely thawed before use. This is best accomplished by placing the frozen material in a heated area (70o-80oF) and allowing it to thaw slowly. Mix thoroughly before using.
- All wet mortars should be stored in a cool area.
- Due to settling that may occur during shipping and storage, all wet mortars should be premixed prior to use.
- **Shelf-life** of wet mortars is typically 3 months from date of manufacture when stored properly.

Resco Products, Inc. furnishes both wet and dry mortars. Dry mortars are shipped in moisture-proof bags and must be prepared for use on the job by mixing with water. Wet mortars are factory-mixed and shipped in air-tight pails. Most can be used as-received, or thinned to a dipping consistency by the addition of water.

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