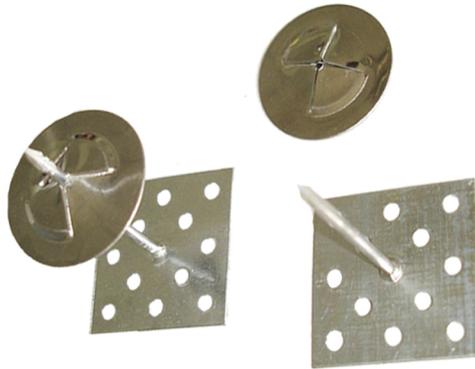
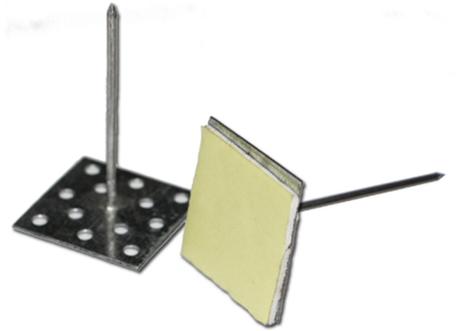




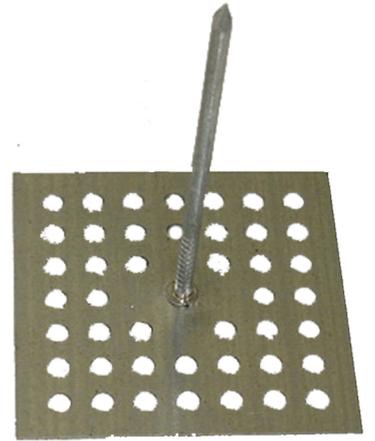
MASON SPINDLE PIN



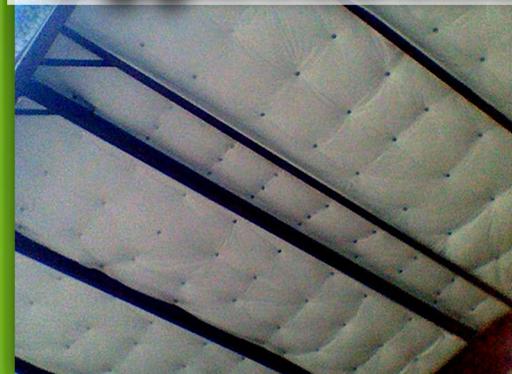
KONY BOND K120



SEVEN RESIN

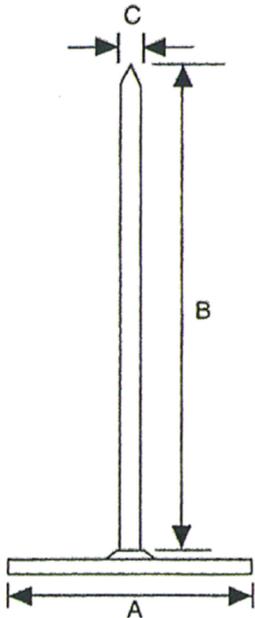


Applications:



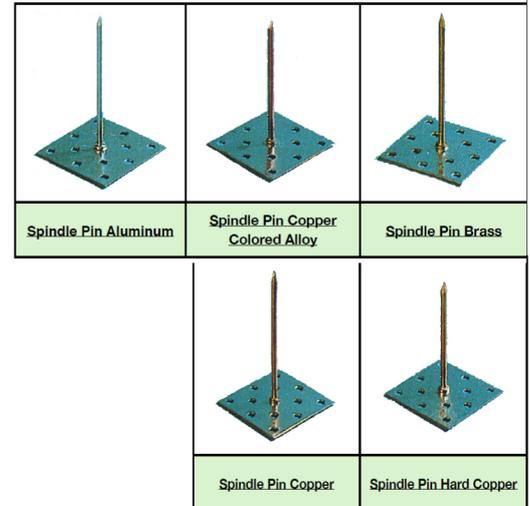
Types of Spindle Pin & Washers

Developed as metallic fixtures for adiabatic, sound-proofing and surface-finishing works, to be used jointly with plastic button washers, as in the case of the existing hard copper pins. It is often used for fastening of fibre-glass wool in hot & cold insulation works.



Designation	SIZE OF PLATE A (mm ²)	LENGTH OF PIN B (mm)	DIAMETER OF PIN C (mm)
SP 38*	25	38	1.8
SP 38D**	25	38	1.8
SP 65*	25	65	1.8
SP 65D**	25	65	1.8
SP 80*	25	80	1.8
SP 80D**	25	80	1.8
SP 100*	25	100	1.8
SP 100D**	25	100	1.8
SP 115*	25	115	1.8
SP 115D**	25	115	1.8

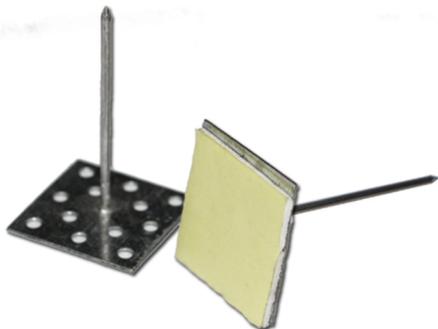
* Non-Stick Type ** Self-Adhesive Tape



P Button Washer (White) OD: 26mm	P Button Washer (Ivory)	Whole Stainless S Button	Pin Aluminum Washer	P Button Washer (Black)	P Button Washer (Grey)	Spring Washer	Stainless Spring

ITEM TYPE	CROSS SECTIONAL OF FIXING	APPLICATION	INSTALLATION NOTE (S)
		<ul style="list-style-type: none"> - Exclusively for fixing adiabatic materials in ducts of air-conditioner, for glass-wool and rock-wool in sound-proofing works. - For the duct-lining, Insulation Pin should be used jointly - Binding agents: <ol style="list-style-type: none"> 1) Seven Resin 2) Kony Bond 120 	<ul style="list-style-type: none"> - Installer (s) should ensure that the Base Surface of the Spindle should be free of any Dust, Oil and other Foreign Objects using Wire-Brush and/ or Solvents before actual Installation.
	Fixing of Adiabatic Materials 	<ul style="list-style-type: none"> - Mainly for fixing adiabatic material in air-conditioner ducting. - Spaces between pins should be 15-20 cm bilaterally and longitudinally. 	<ul style="list-style-type: none"> - Fixing Surface should be free from any Oil, Dust and/ or other Foreign Objects. - Application can be used on metal and plastic surface, but not for coarse surface of mortar.
		<ul style="list-style-type: none"> - Mainly for surface-finishing touch of sound-proofing works. - Fixing number of pins : over 10 / m² - Binding agents: <ol style="list-style-type: none"> 1) Seven Resin 2) Kony Bond 120 	<ul style="list-style-type: none"> - Installer (s) should ensure that the Base Surface of the Spindle should be free of any Dust, Oil and other Foreign Objects using Wire-Brush and/ or Solvents before actual Installation. - Fixing of materials should only be done when the binding agents has achieved maximum curing time.

Types of Adhesives - Self Adhesive Type



Installation Notes:

- 1) Apply Adhesive to perforated base of Spindle (Skip this step for Self-Adhesive Spindle).
- 2) Attach Spindle onto clean & dry surface area of installation.
- 3) Repeat step 1 & step 2, placing Mason® Spindle at 300mm centres at area of installation.
- 4) Allow Adhesive to set sufficiently before placing material (wool / mesh) over Mason® Spindle Pin.
- 5) Insert washer over Mason® Spindle, down onto the material and bend excess length of pin over washer so that the material is secured firmly.
- 6) Ensure surface to be applied is free from any foreign objects & oil before commencement.

Types of Adhesives - Non-Stick with Resin (Japan)



KONY BOND K120



SEVEN RESIN

Performance of Resin for Pin (Synthetic Rubber Type)

Hours	3 Hours Later	5 Hours Later	10 Hours Later	20 Hours Later	48 Hours Later
Adhering Power at Normal Condition	1.46	2.11	4.67	9.45	20.22
Temperature	20 ° C	40 ° C	60 ° C	80 ° C	100 ° C
Heat Resisting Binding Power	23.05	16.14	11.50	6.07	2.52

Mono-axial Pulling Test Unit: KG / 6.25 cm² (Per Pin)

High-Performance Adhesive - To be use jointly with Mason® Spindle to provide fast and reliable bonding for applications such as fastening of fibre-glass wool in hot and cold insulation works

Installation Notes:

- 1) Ensure surface to be applied is free from any foreign objects & oil before commencement.
- 2) Apply the Adhesive sparingly onto the perforated base of the Spindle; without any delay, push the Spindle base onto the desired position using twisting motions to ensure even spread of the Adhesive.
- 3) Allow 5-10 minutes for initial bonding or up to 24 hours for the Adhesive to achieve maximum curing.

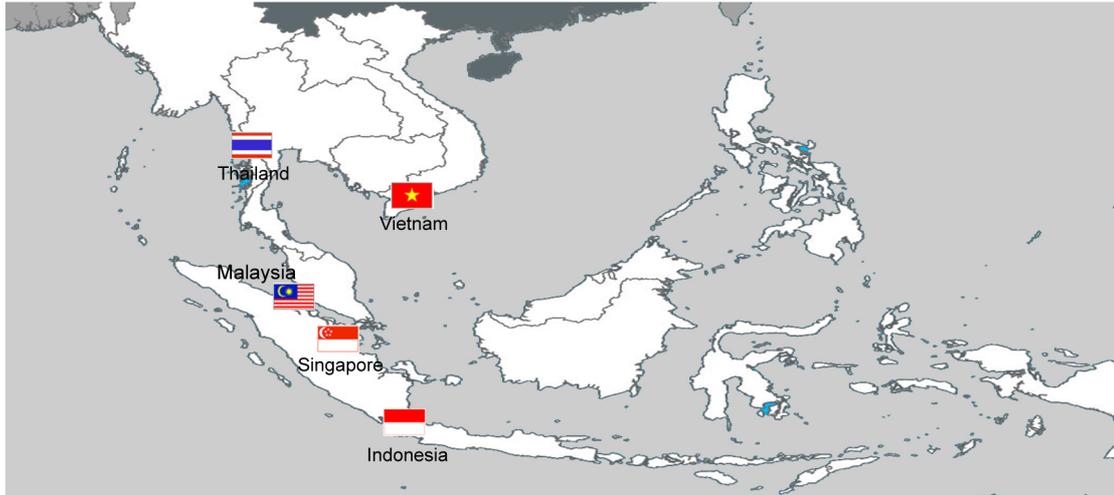
Benefits: Initial Bonding achievable within 5-10 minutes with maximum strength achieved after 24 hours of curing.

Performance Power of Resin No. 120 (Modified Acetic Acid Vinyl Type)

Days	Normal Condition				Water Resistance	
	1 Day	3 Day	7 Day	10 Day	28 Days	3 Days Later in Room Temp. One Day in Water
Wood / wood (bulrush)	23	42	50	58	87	19
Wood / Mortar	22	31	40	43	53	11
Brass / Mortar	15	25	28	32	43	11

Compression Cutting Test Unit : KGcm²

Regional Sales Network



SINGAPORE

FASTEN ENTERPRISES PTE LTD
COREFIX TECH SYSTEMS (S) PTE LTD
 Main Office
 No.3 Ang Mo Kio Street 62 #01-50/51
 LINK@AMK Singapore 569139
 Tel: (65) 6741 2998
 Fax: (65) 6741 7606
 Email: office@fasten.com.sg
 Website: www.fasten.com.sg

FASTEN HARDWARE & ENGINEERING PTE LTD
 Tel: (65) 6732 2998
 Fax: (65) 6235 2998
 Email: office@fastenhardware.com.sg



MALAYSIA (KL)

CF BUILDING PRODUCTS SDN. BHD.
 No. 17, Jalan Perusahaan 6/2A,
 Kawasan Perusahaan
 Selesa Jaya, Balakong 43300
 Seri Kembangan, Selangor Darul Ehsan, Malaysia
 Tel: (603) 8962 2591/92/93 Fax: (603) 8962 2598
 Email: confast@fasten.com.sg



EC MASON INDUSTRIES (M) SDN. BHD.

No. 17, Jalan Perusahaan 6/2A,
 Kawasan Perusahaan
 Selesa Jaya, Balakong 43300
 Seri Kembangan, Selangor Darul Ehsan, Malaysia
 Tel: (603) 8962 2591/92/93 Fax: (603) 8962 2598
 Email: ecmason@fasten.com.sg



THAILAND

CONSTRUCTION FASTENERS (THAILAND) LTD
 1184/23-24, Soi Paholyothin 32, Paholyothin Road,
 Chandrakasem, Chatuchak, Bangkok 10900, Thailand.
 Tel: (662) 561 0774/5 Fax: (662) 561 2590
 Email: cfthailand@fasten.com.sg



VIETNAM

FASTEN ENTERPRISES (VIETNAM) PTE LTD
 393 Nguyen Thai Binh, P.12, Q. Tan Binh,
 TP. Ho Chi Minh City, Vietnam
 Tel: (84) 8 6281 6188 Fax: (84) 8 6281 6179
 Email: vietnam@fasten.com.sg



INDONESIA

PT. CIPTA FASTENER INDONESIA (JKT)
RUKO MEGA GROSIR CEMPAKA MAS
 Block N/15, Jl. Letjend Soeprapto, Samur Batu Kemayoran,
 Jakarta Pusat 10640, Indonesia.
 Tel: (021) 4287 9523 Fax: (021) 4288 0653
 Email: sales@ciptafastener.com
 Website : www.ciptafastener.com

SURABAYA

Ruko Rungkut Makmur, Jl. Raya Kali Rungkut No. 27 Blok D-3,
 Surabaya 60293, Indonesia
 Tel: (031) 879 5418/ 9 Fax: (031) 872 2113
 Email : sales@ciptafastener.com

MAKASAR

Jl. Dr. Ratulangi No.250, Sulawesi Selatan,
 Makasar 90133, Indonesia
 Tel: (0411) 856751/ 873195 Fax: (0411) 851579

Distributor:

