

30-SEP-2003. Notification of label change received. See below for change.

05-SEP-2002
((Principal Display Panel))

GENICS POST GUARD

Prevents Rot!

Preventative and Remedial Protection of Wood

Against Fungal Decay and Wood boring Insects
For Posts, Land Pilings, Millwork, Decks, Window Joinery,
And Log Construction

**DOMESTIC - READ THE LABEL AND ENCLOSED BROCHURE BEFORE USING
KEEP OUT OF REACH OF CHILDREN - This package contains small pieces which may
pose a choking hazard to small children**

DANGER

POISON

MAY BE HARMFUL IF SWALLOWED

GUARANTEE:

ANHYDROUS DISODIUM OCTABORATE

(Na₂B₈O₁₃)88.9%
Copper Elemental, present as
Copper Hydroxide.....1.7%
Boric Acid.....4.7%

REG. NO. 27214

P.C.P. ACT

Net Contents _____ **Number/Pkg** _____
Total weight _____ **Kg/lbs. Number of Plugs** _____

GENICS INC.

561 Acheson Road, 53016 Hwy 60
~~Spruce Grove, Alberta T7X 3G7 Canada~~ **Acheson, AB T7X 5A7 Canada**
PHONE (780) 962-1000 FAX (780) 962-1052
TOLL-FREE: 1-877-9-GENICS

Notification Change

((Secondary Display Panel))

DIRECTIONS FOR USE

USE RESTRICTION - Do not install Post Guard rods in wood which is submerged or at the waterline. i.e. not for use in freshwater or marine pilings. For protection of non-food contact wood against fungal decay and insects. Post Guard rods can be used for most wood species. Do not use Post Guard rods for treating hydro or other poles owned by utilities. Do not use Post Guard rods for treating wood which is in contact with food, feed, or drinking water.

How to Position Rods in Wood:

Refer to the Recommended Application Rate Table in the enclosed brochure for information concerning the number of rods required and the list of available sizes. Wood ends and joints are particularly susceptible to fungal attack and an appropriate size rod should be inserted within 15 cm of any end or joint in high-risk areas. The Post Guard rod is to be inserted in wood with a permanent or periodical moisture content above the fibre saturation point (25 - 30%).

((See Illustration))

Linear spacing along the grain should never exceed 37.5 cm on center and spacing across the grain should not exceed 15 cm on center. After the rods are in place, the holes should be plugged using a plastic plug, wooden dowel, caulk or wood putty. When dry, the treated area can be painted, stained, or coated with any appropriate type of finish.

Application Steps:

1. Drill appropriate size holes to accommodate the number and size of Post Guard rods required. (Consult the Recommended Application Rates table in the enclosed brochure for this information.) Drill hole size should be approximately 1.6 mm larger than rod size. Plug size should be approximately 1.6 mm larger than hole size. Holes can be drilled at an angle to accommodate the rods and plug.
2. Insert Post Guard rods into the hole or holes. Never hammer the rod during installation to prevent shattering.
3. Plug the hole with a plastic plug, wooden dowel, caulk or wood putty.

TOXICOLOGICAL INFORMATION - Contains disodium octaborate. Treat Symptomatically.

PRECAUTIONS - KEEP OUT OF REACH OF CHILDREN. Fatal if swallowed and may pose a choking hazard. Store in a dry location and out of contact with food and feed. Dispose of on-site empty containers in household garbage. Wash hands thoroughly after handling this product and before eating or smoking. Do not hammer Cobra™ Rod II, to avoid shattering. Avoid rubbing eyes while working with product. May be harmful, avoid contact with eyes and skin, avoid breathing dust, use only in well ventilated area, wear freshly laundered clothes daily, store and wash all protective clothing separately. Wear chemical resistant gloves if prolonged contact with the product is anticipated.

FIRST AID - If dust inhaled: Clear passageways; call a physician

If in eyes: Flush with plenty of water, call a physician.

If on skin: Wash with plenty of soap and water.

If swallowed: Call a physician or poison control centre IMMEDIATELY. Take container, label, or product name and Pest Control Product Registration Number with you when seeking medical attention. Drink 1 or 2 glasses water and induce vomiting by touching the back of the throat with finger.

DISPOSAL - Do not re-use empty container. Wrap and dispose of empty container with household garbage. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER - This product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER - Seller's guarantee shall be limited to the terms set out on this label and subject thereto, the buyer assumes the risk or persons or property arising from the use or handling of this product and accepts the product on that condition.

Technical Insert II-1

GENICS POST GUARD

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GENICS POST GUARD RODS BY SIZE AND BORIC ACID EQUIVALENT

Dimensions (dia. x length) size imperial		Weight grams (ounces)		BAE grams (ounces)	
6 mm x 12mm	1/4" x 1/2"	.51g	(.018oz)	.77g	(.027oz)
8mm x 12mm	1/3" x 1/2"	1.30g	(.046oz)	1.90g	(.067oz)
8mm x 24mm	1/3" x 1"	2.61g	(.092oz)	3.80g	(.134oz)
8mm x 65mm	1/3" x 5/8"	6.00g	(.212oz)	8.7g	(.308oz)
11mm x 60mm	25/64" x 2 3/8"	9.5g	(.335oz)	13.83g	(.488oz)
11mm x 120mm	25/64" x 4 1/2"	18.50g	(.653oz)	26.93g	(.950oz)
18mm x 75mm	3/4" x 3"	36.57g	(1.29 oz)	53.30g	(1.88oz)

	Diameter	Thickness	Imperial	BAE
Wafers	18 mm	2 mm	3/4" x 1/6"	1.15g (0.04 oz)
Pellets	6 mm	6 mm	1/4" x 1/4"	0.38 g (0.014 oz)

Genics Post Guard rods may be reapplied every 8 to 10 years. Product can be inserted into original hole by drilling out wooden dowel or removing plastic plug, caulk or wood putty.

EXAMPLES OF APPLICATION RATES (11 mm x 60 mm or 25/64" x 2 3/8")

Lumber Size		Spacing cm	Spacing in	Rods/Hole	BAE (kg) per m ³ of wood
cm	in				
10.2 x 10.2	4 x 4	35.6	14	1	3.8
10.2 x 15.2	4 x 6	35.6	14	1	2.5
10.2 x 20.3	4 x 8	33.0	13	1	2.0
15.2 x 15.2	6 x 6	27.9	11	1	2.1
15.2 x 20.3	6 x 8	20.3	8	1	2.2
15.2 x 30.5	6 x 12	27.9	11	2	2.1
20.3 x 20.3	8 x 8	33.0	13	2	2.0
25.4 x 25.4	10 x 10	20.3	8	2	2.1
30.5 x 30.5	12 x 12	20.3	8	3	2.2
Round Stock					
10.2 cm D	4 " D	35.6	14	1	4.8
15.2 cm D	6 " D	35.6	14	1	2.1
20.3 cm D	8 " D	20.3	8	1	2.1
25.4 cm D	10 " D	25.4	10	2	2.1
30.5 cm D	12 " D	17.8	7	2	2.1
35.6 cm D	14 " D	20.3	8	3	2.1
40.6 cm D	16 " D	20.3	8	4	2.1

D = Diameter

Caution: When drilling into structural support members, such as joists, consult your local building code authority for restriction. Extensive drilling could result in structural weakening. Be careful during installation to not cause unacceptable structural damage to the wood during installation of rods.

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Technical Insert II-2

GENICS POST GUARD

DOMESTIC

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8mm x 12mm	1/3" x 1/2"	1.30g	(.046oz)	1.90g	(.067oz)
8mm x 24mm	1/3" x 1"	2.61g	(.092oz)	3.80g	(.134oz)
8mm x 65mm	1/3" x 5/8"	6.00g	(.212oz)	8.7g	(.308oz)
11mm x 60mm	25/64" x 2 3/8"	9.5g	(.335oz)	13.83g	(.488oz)

11mm x 120mm	25/64" x 4 1/2"	18.50g	(.653oz)	26.93g	(.950oz)
18mm x 75mm	3/4" x 3"	36.57g	(1.29 oz)	53.30g	(1.88oz)

	Diameter	Thickness	Imperial	BAE
Wafers	18 mm	2 mm	3/4" x 1/6"	1.15g (0.04 oz)
Pellets	6 mm	6 mm	1/4" x 1/4"	0.38 g (0.014 oz)

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EXAMPLES OF APPLICATION RATES (11 mm x 120 mm or 25/64" x 4 1/2")

Lumber Size		Spacing cm	Spacing in	Rods/Hole	BAE (kg) per m ³ of wood
cm	in				
10.2 x 15.2	4 x 6	35.6	14	1	4.9
10.2 x 20.3	4 x 8	35.6	14	1	3.7
15.2 x 15.2	6 x 6	35.6	14	1	3.3
15.2 x 20.3	6 x 8	35.6	14	1	2.4
15.2 x 30.5	6 x 12	25.4	10	1	2.3
20.3 x 20.3	8 x 8	30.5	12	1	2.1
25.4 x 25.4	10 x 10	20.3	8	1	2.1
30.5 x 30.5	12 x 12	29.9	11	2	2.1
Round Stock					
15.2 cm D	6 " D	35.6	14	1	4.1
20.3 cm D	8 " D	20.3	14	1	2.3
25.4 cm D	10 " D	25.4	10	1	2.1
30.5 cm D	12 " D	17.8	7	1	2.1
35.6 cm D	14 " D	20.3	10	2	2.1

40.6 cm D	16 " D	20.3	8	2	2.0
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Caution: When drilling into structural support members, such as joists, consult your local building code authority for restriction. Extensive drilling could result in structural weakening. Be careful during installation to not cause unacceptable structural damage to the wood during installation of rods.

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Technical Insert II-3

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11mm x 120mm	25/64" x 4 1/2"	18.50g	(.653oz)	26.93g	(.950oz)
18mm x 75mm	3/4" x 3"	36.57g	(1.29 oz)	53.30g	(1.88oz)

	Diameter	Thickness	Imperial	BAE
Wafers	18 mm	2 mm	3/4" x 1/6"	1.15g (0.04 oz)
Pellets	6 mm	6 mm	1/4" x 1/4"	0.38 g (0.014 oz)

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EXAMPLES OF APPLICATION RATES (18 mm x 75 mm or 3/4" x 3")

Lumber Size cm in		Spacing cm	Spacing in	Rods/Hole	BAE (kg) per m ³ of wood
15.2 x 15.2	6 x 6	38.1	15	1	6.0

15.2 x 20.3	6 x 8	35.6	14	1	4.8
15.2 x 30.5	6 x 12	35.6	14	1	3.2
20.3 x 20.3	8 x 8	35.6	14	1	3.6
25.4 x 25.4	10 x 10	25.6	14	1	2.3
30.5 x 30.5	12 x 12	27.9	11	1	2.1
Round Stock					
20.3 cm D	8 " D	35.6	14	1	4.6
25.4 cm D	10 " D	35.6	14	1	3.0
30.5 cm D	12 " D	35.6	14	1	2.1
35.6 cm D	14 " D	25.4	10	1	2.1
40.6 cm D	16 " D	20.3	8	1	2.0

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Caution: When drilling into structural support members, such as joists, consult your local building code authority for restriction. Extensive drilling could result in structural weakening. Be careful during installation to not cause unacceptable structural damage to the wood during installation of rods.

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Technical Insert II-4

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11mm x 120mm	25/64" x 4 1/2"	18.50g	(.653oz)	26.93g	(.950oz)
18mm x 75mm	3/4" x 3"	36.57g	(1.29 oz)	53.30g	(1.88oz)

	Diameter	Thickness	Imperial	BAE
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Wafers	18 mm	2 mm	3/4" x 1/6"	1.15g (0.04 oz)
Pellets	6 mm	6 mm	1/4" x 1/4"	0.38 g (0.014 oz)

Genics Post Guard rods may be reapplied every 8 to 10 years. Product can be inserted into original hole by drilling out wooden dowel or removing plastic plug, caulk or wood putty.

EXAMPLES OF APPLICATION RATES (8 mm x 65 mm or 1/3" x 2 5/8")

Lumber Size		Spacing	Spacing	Rods/Hole	BAE (kg) per m³ of wood
cm	in	cm	in		
10.2 x 10.2	4 x 4	35.6	14	1	2.4
10.2 x 10.2	4 x 6	27.9	11	1	2.0
10.2 x 10.2	4 x 8	20.3	8	1	2.1
15.2 x 15.2	6 x 6	17.8	7	1	2.1
15.2 x 20.3	6 x 8	27.9	11	2	2.0
15.2 x 30.5	6 x 12	17.8	7	2	2.1
20.3 x 20.3	8 x 8	20.3	8	2	2.1
25.4 x 25.4	10 x 10	17.8	7	3	2.3
Round Stock					
10.2 cm D	4 " D	35.6	14	1	3.0
15.2	6 " D	22.9	9	1	2.1

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Caution: When drilling into structural support members, such as joists, consult your local building code authority for restriction. Extensive drilling could result in structural weakening. Be careful during installation to not cause unacceptable structural damage to the wood during installation of rods.

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EXAMPLES OF APPLICATION RATES (8 mm x 24 mm or 1/3" x 1")

Lumber Size		Spacing cm	Spacing in	Rods/Hole	BAE (kg) per m ³ of wood
cm	in				
5.1 x 10.2	2 x 4	35.6	14	1	2.1
5.1 x 15.2	2 x 6	22.9	9	1	2.1
5.1 x 20.3	2 x 8	17.8	7	1	2.1
5.1 x 25.4	2 x 10	27.9	11	2	2.1
5.1 x 30.5	2 x 12	22.9	9	2	2.1
10.2 x 10.2	4 x 4	17.8	7	1	2.1
10.2 x 10.2	4 x 6	22.9	9	2	2.1
10.2 x 10.2	4 x 8	17.8	7	2	2.1
15.2 x 15.2	6 x 6	15.2	6	2	2.1
Round Stock					
10.2 cm D	4 " D	22.9	9	1	2.1
15.2	6 " D	20.3	8	2	2.1

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Technical Insert II-6

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Lumber Size cm	in	Spacing cm	Spacing in	Rods/Hole	BAE (kg) per m ³ of wood
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5.1 x 10.2	2 x 4	17.8	7	1	2.1
5.1 x 15.2	2 x 6	22.9	9	2	2.1

5.1 x 20.3	2 x 8	17.8	7	2	2.1
5.1 x 25.4	2 x 10	20.3	8	3	2.2
5.1 x 30.5	2 x 12	22.9	9	4	2.1
10.2 x 10.2	4 x 4	17.8	7	2	2.1
Round Stock					
10.2 cm D	4 " D	22.9	9	2	2.1

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Caution: When drilling into structural support members, such as joists, consult your local building code authority for restriction. Extensive drilling could result in structural weakening. Be careful during installation to not cause unacceptable structural damage to the wood during installation of rods.

GENICS INC.

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 Spruce Grove, Alberta T7X 3G7 Canada
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 TOLL-FREE: 1-877-9-GENICS

Technical Insert II-7

GENICS POST GUARD

DOMESTIC

KEEP OUT OF REACH OF CHILDREN - This package contains small pieces which may pose a choking hazard to small children.

MAY BE HARMFUL IF SWALLOWED

DANGER

POISON

GUARANTEE:

ANHYDROUS DISODIUM OCTABORATE

(Na₂B₈O₁₃)88.9%
 Copper Elemental, present as
 Copper Hydroxide.....1.7%
 Boric Acid.....4.7%

REG. NO. 27214
Pest Control Products Act

READ THE LABEL AND THIS TECHNICAL BROCHURE BEFORE USING

For preventative treatment: apply to achieve a loading of 2 kg BAE per cu. metre of wood. For remedial treatment: the recommended load is up to 6 kg BAE per cu. metre of wood. The BAE (Boric Acid Equivalent) of each size of rod is found in the table below.

GENICS POST GUARD RODS BY SIZE AND BORIC ACID EQUIVALENT

Dimensions (dia. x length) size imperial		Weight grams (ounces)		BAE grams (ounces)	
6 mm x 12mm	1/4" x 1/2"	.51g	(.018oz)	.77g	(.027oz)
8mm x 12mm	1/3" x 1/2"	1.30g	(.046oz)	1.90g	(.067oz)
8mm x 24mm	1/3" x 1"	2.61g	(.092oz)	3.80g	(.134oz)
8mm x 65mm	1/3" x 5/8"	6.00g	(.212oz)	8.7g	(.308oz)
11mm x 60mm	25/64" x 2 3/8"	9.5g	(.335oz)	13.83g	(.488oz)
11mm x 120mm	25/64" x 4 1/2"	18.50g	(.653oz)	26.93g	(.950oz)
18mm x 75mm	3/4" x 3"	36.57g	(1.29 oz)	53.30g	(1.88oz)

	Diameter	Thickness	Imperial	BAE
Wafers	18 mm	2 mm	3/4" x 1/6"	1.15g (0.04 oz)
Pellets	6 mm	6 mm	1/4" x 1/4"	0.38 g (0.014 oz)

Genics Post Guard rods may be reapplied every 8 to 10 years. Product can be inserted into original hole by drilling out wooden dowel or removing plastic plug, caulk or wood putty.

EXAMPLES OF APPLICATION RATES (6 mm x 12 mm or 1/4" x 1/2")

Lumber Size		Spacing	Spacing	Rods/Hole	BAE (kg) per m ³ of wood
cm	in	cm	in		
2.5 x 2.5	1 x 1	35.6	14	1	3.4
2.5 x 5.1	1 x 2	27.9	11	1	2.1
2.5 x 10.2	1 x 4	27.9	11	2	2.1
2.5 x 15.2	1 x 6	17.8	7	2	2.2
5.1 x 5.1	2 x 2	27.9	11	2	2.1
5.1 x 10.2	2 x 4	12.7	5	2	2.3

D = Diameter

Caution: When drilling into structural support members, such as joists, consult your local building code authority for restriction. Extensive drilling could result in structural weakening. Be careful during installation to not cause unacceptable structural damage to the wood during installation of rods.

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Technical Insert II-8

GENICS POST GUARD

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	Diameter	Thickness	Imperial	BAE
Wafers	18 mm	2 mm	3/4" x 1/6"	1.15g (0.04 oz)
Pellets	6 mm	6 mm	1/4" x 1/4"	0.38 g (0.014 oz)

Genics Post Guard rods may be reapplied every 8 to 10 years. Product can be inserted into

original hole by drilling out wooden dowel or removing plastic plug, caulk or wood putty.

EXAMPLES OF APPLICATION RATES (6 mm x 6 mm or 1/4" x 1/4")

Lumber Size		Spacing	Spacing	Rods/Hole	BAE (kg) per m ³ of wood
cm	in	cm	in		
2.5 x 2.5	1 x 1	27.9	11	1	2.1
2.5 x 5.1	1 x 2	27.9	11	2	2.1
2.5 x 10.2	1 x 4	20.3	8	3	2.2
2.5 x 15.2	1 x 6	17.8	7	3	1.7

D = Diameter

Caution: When drilling into structural support members, such as joists, consult your local building code authority for restriction. Extensive drilling could result in structural weakening. Be careful during installation to not cause unacceptable structural damage to the wood during installation of rods.

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Technical Insert II-9

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	Diameter	Thickness	Imperial	BAE
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Wafers	18 mm	2 mm	3/4" x 1/6"	1.15g (0.04 oz)
Pellets	6 mm	6 mm	1/4" x 1/4"	0.38 g (0.014 oz)

Genics Post Guard rods may be reapplied every 8 to 10 years. Product can be inserted into original hole by drilling out wooden dowel or removing plastic plug, caulk or wood putty.

EXAMPLES OF APPLICATION RATES (18 mm x 2 mm or 3/4" x 1/16")

The wafer sized Genics Post Guard rods are designed for the treatment of cracks and checks in lumber and round stock. This treatment is meant to protect the outer 1.3 cm (0.5 inch) of the wood exposed by the crack. To treat this area, the wafer should be inserted into the crack to allow for direct contact of the wafer with the wood to be treated. The wafers should be added at a rate which would achieve a loading of up to 6 kg BAE/m³ in the outer 2.5 cm (1 inch) of the exposed wood. Examples of application rates are found below. Seal cracks and checks in the lumber and round stock with caulk or wood putty after the wafer is inserted into the wood.

Depth of Crack		Spacing	Spacing
cm	in	cm	in
2.5	1	35.6	14
5.1	2	22.9	9
7.6	3	15.2	6
10.2	4	12.7	5
12.7	5	10.2	4
15.2	6	7.6	3

Caution: When drilling into structural support members, such as joists, consult your local building code authority for restriction. Extensive drilling could result in structural weakening. Be careful during installation to not cause unacceptable structural damage to the wood during installation of rods.

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(Reverse Side of Brochure)

GENICS POST GUARD

Install Genics Post Guard rods in areas where wood decay is present or where the potential of decay exists.

Moisture is the leading cause of decay. A close examination of structural areas where there may be soil contact, exposure to rain, water collection against wood, plumbing leaks, or condensation is a necessary step to the prevention of decay. These areas are ideal locations for the installation of Genics Post Guard rods.

Genics Post Guard rods are fused, water soluble, glass-like rods. They are activated by moisture contents of 23% or more within the wood. This moisture dissolves the rod and allows the boron and copper preservative to migrate within the wood. The chemical is concentrated in high moisture areas where the wood is most susceptible to decay. Depending upon conditions of moisture, Genics Post Guard rods need not be replaced for 8 to 10 years.

The Installation of Genics Post Guard rods

Note: Genics Post Guard rods will not add structural integrity to previously damaged wood. If a wood's structural integrity has been damaged to the extent that repair or replacement is necessary, these repairs/replacements should be made prior to treatment with Genics Post Guard rods.

Genics Post Guard rods can be inserted into almost any piece of wood. It is important to understand that spacing depends upon the size of Genics Post Guard rods, the dimension of wood, and the volume of wood to be treated. For recommended size of Genics Post Guard rods and their spacing for various sawn wood dimensions and logs, consult the Recommended Application Rates table.

A few examples of where to place Genics Post Guard rods are outlined below.

Foundation Systems and Other Horizontal Timbers

Wood that is in contact with soil or concrete, or wood that is exposed to moisture is susceptible to decay. The greatest risk of decay is at exposed wood ends and at wood joints where moisture is most readily absorbed. To protect these areas, install Genics Post Guard rods as shown (Diagram 1 on reverse of packaging) within 15 cm (6 inches) of wood ends and at recommended spacings thereafter (see Recommended Application Rate table).

Poles and Posts

The groundline area of all structures is particularly susceptible to decay due to elevated moisture conditions and an abundance of decay organisms. Genics Post Guard rods are well suited to

groundline applications, and should be installed approximately 5 cm above the groundline of the pole or post. It is recommended that the installation hole be drilled at a downward angle to place the rod right at the groundline without drilling in that zone (Diagram 2 on reverse of packaging). Since this application is designed to only treat the groundline zone, apply enough Genics Post Guard rods to protect a minimum height (total spacing) of 30 cm.

Log Construction

The exposed ends are the most susceptible area to decay. Genics Post Guard rods should be installed in the corner areas (Diagram 3 on reverse of packaging) as well as the lower rows, joints, or wherever the logs are not protected from the elements (Install as per diagram 1 on the reverse of packaging). Spacing recommendations can be found under the heading “Round Stock” in the “Recommended Application Rates” table.

Window and Door Framing

The bottom of window and door frames are especially at risk of decay. Other areas of concern are anywhere weathering of paint and exposure has occurred. For protection of these areas, install Genics Post Guard rods as shown (Diagram 4) and at recommended spacings (See Recommended Application of Rate table).

For additional sizes, comments, or questions, please contact us toll-free at 1-877-943-6427.

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