



Fibreglass Equipment Inspection, Cleaning & Maintenance

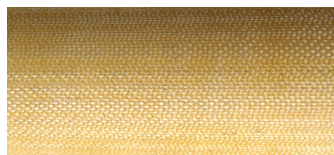
Live line tools should be visually inspected daily before use for defects such as abrasions, blemishes, burns and surface deterioration.

Any defect is cause for rejection as it may impair the dielectric integrity. Rejection does not mean discarding the tool, only removing the tool from service and tagging.

Common stick defects to look for



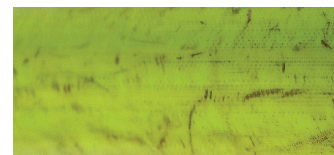
Scratched



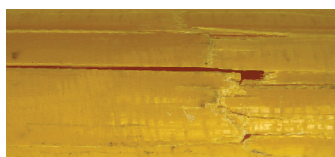
Sun Damaged



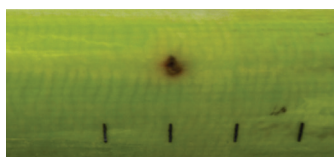
Abrasions



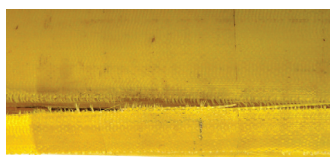
Mistreated



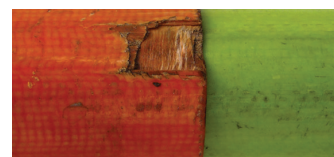
Cracked



Burn



Split



Large Chip

Hot Sticks and Fibreglass Care & Maintenance

For instruction on how to clean hot sticks, watch our video by scanning or clicking the below QR code. Or download "Advice for the Care and Maintenance of Your Equipment" by clicking this link:

https://www.tengroup.com.au/blogs/news/2020/Apr/7/ten_care_and_maintenance

For stripping back heavy contamination and prior to re-waxing, use the Hastings All-Purpose, Safe, non-toxic, biodegradable, PH neutral & non-flammable Cleaning Concentrate (10-195).

Once the surface has been cleaned thoroughly, it is critical to re-wax the stick. The Polywater® Fibreglass Wax and Buff Kit is a simple, easy to use, one application wipe ideal for this purpose.

The lint-free wipe is saturated with fast hazing wax and a soft lint-free towelette is included for buffing the wax to a shine.

This improves the dielectric performance by restoring the water beading properties. Also available is the Polywater (W-16) bottle of wax and Hastings Hot Stick Wax 10-091.

It should be noted, waxing is best done after a thorough stick cleaning. Use of wax products over contaminated surfaces only locks the dirt in.

For spot cleaning the sticks and daily before use, the Polywater® Water Repellent Wipe (Part S-1) that (contains a minimum 60% isopropyl alcohol and silicone) helps clean and restore the water beading properties of the stick.

This will also work to sanitise the stick before and after use if used correctly. Also available for spot cleaning and daily before use is the Hastings (10-188) hot stick wipes containing silicone (note these do not have an alcohol content, these are petroleum based).

After extended periods of use and exposure to the elements your stick surface may require maintenance. Unless the tool is mechanically damaged your stick may be able to be repaired.

Stick repair should only be carried out by professionally trained personnel. Refinishing kits (10-100) and epoxy adhesive (10-097-1) are available.

Never lay your sticks directly on the ground, place them on a ground tarp (TENM705), stick rack (6780) or carry bag.

Always care for your live line tools and equipment by storing them in protective carry bags and/or in a dry area away from rain and light when not in use.

Boom & Basket Cleaning

For washing booms, use the Polywater® Fibreglass Wash (FGW-640). This replaces the previous (BWC) Boom Wash Concentrate.

For spot cleaning of booms and baskets we recommend the Polywater (B-1) large format towels for cleaning grime, grease and contaminants from the surface.

See the following pages for further information on the cleaning.

References: ASTM F711, OSHA, Hastings, Polywater



SCAN or CLICK for Hot Stick Cleaning Instructions



Quality Tools, Equipment & Line Materials for the Energy Industry.

Inspection, Cleaning & Maintenance Products Fibreglass Stick storage Solution



Stick Tool Rack
Part No. 6708



Stick Tool Rack
Part No. Various

Protective Stick Bags
Part No. Various



Silicone Wiping Cloths - Disposable

- 50 wipes in a heavy duty cardboard dispenser box that can be installed on a wall or post in a convenient location to the line trucks, each are individually packaged
- Leaves a silicone moisture barrier which enables water to bead up. This eliminates the blanket effect when using hot sticks in wet conditions.
- Excellent for daily wiping of your hot sticks prior to use
- Removes contaminants such as dirt, oils, creosote, and other undesirable matter
- Environmentally safe, the used wipes can be disposed of in normal waste containers

Part No.	Description	Pack
10-188	Hot Stick Wipes - box	50
10-188-1	Hot Stick Wipe - individual	1



Silicon Treated Wiping Cloth

- Deposits a water repellent film while removing dust and dirt particles from the surface of hot sticks and insulated tool handles
- The 460mm x 460mm cotton cloth is an open-type weave specially selected for removing foreign material from the surface of insulated tools and has bound edges to eliminate fraying which extends the life of the cloth
- The cloth is packaged in a sealed plastic bag with instructions for compliance with OSHA regulations for cleaning and inspection of live line tools
- Regular use of the silicone treated cloth will add to the life and safety of the tools
- For added safety and increased life of live line tools

Part No.	Description	Wt (kg)
10-090	Silicone Treated Wiping Cloth	0.05



Live Working Equipment Wax

- High grade carnuba wax formulated for fibreglass application
- Used on booms, buckets, live line tools and equipment
- Provides hard, tack free weather resistant surface
- Applied by hand or machine



Part No.	Unit	Wt (kg)
10-091	Tin	0.4



Bulk wax



Live Line Tool Wax

- Convenient, wax-saturated, lint-free wipe
- Dual action tandem pack includes dry buffing towel
- Does not remove or adversely affect gel coat
- Superior quality, fast-hazing fibreglass wax
- Easy to apply
- Leaves non-conductive water repellent coating
- Prevents continuous water film on stick in wet weather

Part No.	Description
W-1	Fibreglass wax and buff - individual wipes
W-1-K	Fibreglass wax and buff - Box of 72 x wipes
W-16	455g can fast-hazing fibreglass bulk wax



10-197



10-168



10-195



All Purpose Cleaner Concentrate

- Excellent cleaner for the following: hot line tools, trucks, buckets, booms, rigid cover up, painted surfaces and aluminum metal, shop machinery, hand cleaner, all plastic surfaces
- Can be applied with a soft cloth, sponge or hand dispenser
- Safe and gives the following benefits: biodegradable, non-toxic, non-alkali, non-acid, non-flammable, gentle to the skin, requires no ventilation
- Concentrate formula mixing ratio is 20 parts water to 1 part concentrate

Part No.	Description	Wt (kg)
10-168	All purpose cleaner concentrate 3.8L bottle	3.6
10-195	All purpose cleaner concentrate 19L Drum	18.2
10-197	6pk Cleaning Kit: 6 x 200ml ready to mix bottles/14 ultra fine non-metallic pads/ 6 adhesive identification bottle labels	1.6

Powerclean Concentrate

- Powerful degreaser/cleaner detergent
- Ideal for cleaning rubber ground mats

Part No.	Package	Qty	Wt (kg)
RPC15	Drum	15 (L)	16.3



Boom Cleaner Wipes

- Convenient, pre-saturated, lint-free wipes in two sizes
- Large and durable for maximum surface coverage
- Won't remove or adversely affect gel coat & prevents "build-up" over time
- Powerful cleaner removes grease, dirt, tar, and grime
- Removes road and sea spray salts (salt water is more conductive)
- Water soluble for easy water rinsing
- Designed for one time use and easy disposal
- Meets OSHA Maintenance Reg CFR 29 Part 1910

Part No.	Description	Pack
B-1	Individually saturated 610 x 610mm wipe in sealed foil	1
B-D72	Dispenser with 72 wipes	72

Boom & Basket Cleaner

- Ideal for washing Fibreglass booms and Baskets
- Mix with water for a mild boom cleaner to spray wipe or pour on surface for easy cleaning

Part No.	Package	Qty (L)	Wt (kg)
FGW-640	Drum	19	16.3

Hot Stick Cleaner and Water Repellent Wipe

- Convenient, pre-saturated, lint-free wipe
- Dual action - cleans and applies water repellent
- Does not remove or adversely affect gloss coat
- Evaporates quickly
- No "build-up" over time
- Removes grease, dirt, and grime
- Prevents continuous water film on stick in wet weather
- Designed for one time use and easy disposal
- Meets IEEE maintenance recommendations (Std #978)

Part No.	Description	Pack
S-1	Pre-saturated lint-free 600mm ² wipe in sealed foil (Single Pack)	1
S-1-K	Pre-saturated lint-free 600mm ² wipe in sealed foil (Box of 144)	144



Fibreglass Cleaning and Refinishing Kit



Kit contains the following products:

- All Purpose Cleaner Concentrate
- Fibreglass Wax and Buffing Kit
- Polishing Cloth
- Ultra Fine Non-metallic abrasive pads

This kit helps keep your fibreglass sticks in top condition. Visual inspection can identify areas of wear that will require maintenance prior to putting sticks back into service.

All Purpose Cleaner - The all purpose cleaner provides a safe non-toxic liquid to aid in removing dirt, grease, metal oxides and other contaminants which accumulate on fibreglass

Ultra Fine Non-Metallic Abrasive Pads can be used with the all purpose cleaner to remove stubborn contamination. Note -fibreglass wax may be required after use of cleaner and/or pads to retain surface gloss.

Clear Epoxy Refinishing Kit - The two part finish kit is used to bring the tool surface back to its original finish if normal cleaning is not sufficient

Silicone Treated Wiping Cloths - Wiping cloths are used to remove light dust and dirt from stick surfaces. It is also needed after light cleaning of tool with all purpose cleaner to allow moisture to bead up on tool.



Live Working Tool Epoxy Adhesive

- Used for live line tool construction and repair
- High viscosity two part adhesive, safety yellow in colour
- High performance, high impact resistance with good flexibility

Part No.	Unit	Qty (L)	Wt (kg)
10-097-1	Tin	1 (500mL each of Part A & Part B)	1.36



Epoxy Refinishing Kits & Thinners

- Kit provides all the necessary materials with complete instructions for restoring, fibreglass hot line tools and aerial lift booms and buckets equal to their original finish
- The epoxy coating provides a hard, tough, moisture resistant high-gloss finish of high dielectric strength and is easily cleaned
- Included in the kit are complete instructions, sandpaper, paint brush, and epoxy solvent
- 8 litres of epoxy coating covers approximately 3 metres of surface
- The coating is a two-part system, available in both white and clear, dries dust free in approximately 1 1/2 hours and cures completely within 24 hours

Part No.	Description	Wt (kg)
-100	Epoxy Refinishing Kit - contains 475ml of each component (3)	1.8

Non-Metallic Cleaning Pads

Cleaning pads can be used with the all purpose cleaner to remove stubborn contamination. Note: Fibreglass wax may be required after use of cleaner and/or pads to retain surface gloss.

Part No.	Description	Qty
10-170	Box of Ultra Fine Non metallic cleaning pads	20/box
EAGERBEAVER	Non-abrasive cleaning pad for cleaning rubber goods & fibreglass sticks	10/ box

Hot Stick Cleaning Kit

- Kit provides the brushes and sectional fibreglass rods needed to thoroughly clean the inside of telescoping hot sticks and internal rod shotgun sticks

- Kit includes: (1) Heavy duty vinyl fold up storage case with pockets to store cleaning rods and brushes - additional pockets are provided for storage of other cleaning items, (3) Fibreglass sectional rods each 910mm long, (5) Heavy duty industrial type nylon bristle brushes to accommodate all inside diameters of telescoping tools

Part No.	Description	Wt (kg)
10-337	Complete cleaning kit	1.6

