

# Laboratory Furniture and Work Tops

## **Maintenance Guide**

KEWAUNEE®

*...encouraging new discovery*



# Maintenance Guide

## Laboratory Furniture and Work Tops

We at Kewaunee Scientific Corporation take pride in the laboratory furniture and work tops we manufacture. By choosing our products, you've chosen the best quality and value available in the industry. Kewaunee is an organization committed to your continuing satisfaction.

When you buy from Kewaunee, you can be confident that any new products you need in the future will be precisely designed and color matched to complement your existing installation. You know replacement parts will be available decades after your original purchase. Most importantly, you have our assurance of continuing service from our sales representatives and home office staff throughout the life of your Kewaunee products.

To help you keep your Kewaunee products looking good and lasting a long time, we've prepared this *Laboratory Furniture and Work Tops Maintenance Guide*, to assist you with your regular maintenance and housekeeping. To obtain additional copies of this booklet or to ask questions, please feel free to call or write your Kewaunee sales representative. Or contact us directly at:

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# How to Clean and Maintain Casework

## Steel Casework

You should clean all exposed steel surfaces and hardware on a regular basis using good quality, commercially available cleaner/wax available at any automotive accessory store. The wax will form a protective barrier between the finished surface and any harmful chemicals.

If the casework is heavily soiled, wipe it clean with Naptha or Mineral Spirits before you apply polish.

If your casework needs to be completely refinished, please contact your Kewaunee sales representative.

Don't forget to check drawers and cupboards often for chemical spills or leaks. Prompt clean-up is the key to preventing permanent damage.

## Wood Casework

You should clean all exposed wood casework surfaces and hardware on a regular basis using a mild detergent and clean, warm water. **Please make certain all surfaces are thoroughly dried after each cleaning.** Once the casework has dried, apply a coating of good quality, commercially available wood furniture polish.

If your casework is heavily soiled, you may need a strong detergent to remove stubborn stains.

If your casework needs to be completely refinished, please contact your Kewaunee sales representative.

Don't forget to check drawers and cupboards often for chemical spills or leaks. Prompt cleanup is the key to preventing permanent damage.

## Steel and Wood Casework Cleaning Checklist

- Clean casework according to a regular schedule, with spot cleaning as needed.
- Use the right cleaning methods and products.
- Check cupboards and drawers often for chemical spills and leaks.

### **CAUTION:**

*When using any type of solvent as a cleaning agent, make sure the area is well ventilated. DO NOT use solvents close to any heat source or open flame.*

# How to Clean and Maintain Work Tops

## Kemresin® Work Tops (Epoxy Resin)

Clean Kemresin surfaces using a general purpose detergent and warm water. Apply a coat of Kewaunee's Kemresin Polish (part #0065-A1 [pint] #0065-A2 [quart]) after cleaning to maintain the top between scheduled maintenance and to hide minor scratches. Regular applications of a scratch-resistant furniture polish or linseed oil also will enhance the appearance of your work top.

## Kemresin® Lite - Kemresin® II Work Tops

Most spills can be cleaned with a damp cloth or sponge and mild detergents or cleaners as needed. **Do Not Use Any Cleaners That Contain Bleach.**

While Kemresin Lite is extremely chemical resistant, some dyes and inks may discolor the surface. Scratches and small surface infractions may be cleaned off with a Scotch-Brite pad, an abrasive cleaner, or 220-grit sandpaper. For higher gloss applications, other polishing may be required. Deeper cuts may need to be filled using our epoxy cement and treated similarly to creating a field joint. Refer to the Kemresin Lite Installation Manual for repair procedures.

## Kemrock® and Similar Work Tops

Clean Kemrock and similar tops with a general-purpose detergent and warm water and wipe off promptly. Use Naptha or Mineral Spirits to remove stubborn stains and to clean heavily soiled areas. Protect the top between scheduled cleanings with a coat of good quality, commercially available furniture polish.

If you need to refinish a Kemrock or similar top, first clean it thoroughly and then sand it carefully with #180 grit abrasive paper. Apply one coat of **Sherwin-Williams POLANE Carbide Black (#F63B12) urethane enamel** catalyzed with **#V66V27 catalyst**, following the manufacturer's instructions.

### **CAUTION:**

*When refinishing tops, be certain to provide adequate ventilation to prevent a build-up of harmful fumes.*

This urethane enamel cures to an acid, alkali and solvent resistant finish superior to most air dried coatings. It's easy to apply with a brush and gives a durable finish with excellent adhesion to clean substrates. Enamels to refinish green, gray or tan tops are also available directly from any Sherwin-Williams paint store.

After the refinished surface has dried thoroughly, apply a protective coat of good quality, commercially available furniture polish.

## Oil-Finished Wood Work Tops

### **CAUTION:**

*When refinishing tops, be certain to provide adequate ventilation to prevent a build-up of harmful fumes.*

Clean oil finished tops frequently with mild detergent. After each cleaning, apply a coat of good quality commercially available furniture polish.

To refinish an oil finished top, clean it thoroughly by scraping and sanding the surface with a fine grit abrasive paper to remove minor scratches. Apply one coat of any good quality, commercially available penetrating wood finish. Once the refinished surface has dried thoroughly, apply a coat of good quality furniture polish.

# How to Clean and Maintain Work Tops

## Natural Varnished Wood Work Tops

**CAUTION:**

*When refinishing tops, be certain to provide adequate ventilation to prevent a build-up of harmful fumes.*

Clean varnished maple tops with general purpose detergent and warm water. Apply a coat of commercially available furniture polish to protect the top surface between cleanings.

If the top surface has been damaged, sand with a very fine grit sand paper. Clean thoroughly and allow to dry. Apply two coats of a clear varnish.

## Plastic Laminate Work Tops

**CAUTION:**

*When using any type solvent or finish, make certain the area is well ventilated. DO NOT use solvents or finishing materials, i.e. lacquers or varnishes near any heat source or open flames.*

Wipe plastic laminate tops clean with a damp cloth, using ordinary household soap and water as often as necessary.

Use mild solvents such as laquer thinner, Methyl Ethyl Ketone (MEK) or contact adhesive solvents to remove stubborn stains, fingerprints or glue.

**Do not use strong, abrasive cleaners.**

## Stainless Steel Work Tops

Clean stainless steel surfaces using general purpose detergent and warm water. Restrict or avoid contact with the chemicals listed below, as well as any chemical in the Halogen family, because they will discolor stainless steel.

Aqua Regia	Chlorine Bleach	Chloride (Wet)
Dakins Solution	Ferric Chloride	Hydrochloric Acid
Hydrofluoric Acid	Iodine	Mercuric Chloride
Phosphoric Acid	Sodium Bisulfate	Sulfuric Acid

## Work Top Cleaning Checklist

- Clean work tops according to a regular schedule, with spot cleaning as needed.
- Sand surfaces carefully when appropriate.
- Use the right cleaning methods and products.
- Use appropriate finishing agents.

# How to Clean and Maintain Service Fittings

## Cleaning Service Fittings

**CAUTION:**

*Do not use abrasive polishes, as they will scratch the chrome finish.*

Because of their thick chrome plating, Kewaunee service fittings require little cleaning. Wipe them with a damp cloth using a small amount of detergent as needed.

If the chrome surface should become dull or tarnished, use an all-purpose commercially available chrome cleaning compound.

## Maintaining Service Fittings

For information about replacement parts for service fittings, contact your Kewaunee sales representative.

# Maintenance Materials

## Kemresin Polish

Product	Application	Color	Size	Catalog Number
Kemresin Polish	Kemresin work tops	NA	Pint	<b>0065-A1</b>
			Quart	<b>0065-A2</b>

## Kemresin Cement

	Product	Application	Color	Size	Catalog Number
<i>Kemresin Cement is a two-part epoxy cement. One pint fills approximately 25 feet of joint</i>	Kemresin Cement	Joining Kemresin or Kemrock work tops	Black	Pint	<b>0061-B2</b>
				Quart	<b>0065-B3</b>
			Grey	Pint	<b>0061-B2-GR</b>
				Quart	<b>0065-B3-GR</b>
			White	Pint	<b>0061-B2-W</b>
				Quart	<b>0065-B3-W</b>

## Kemresin Lite - Kemresin II Cement

	Product	Application	Color	Size	Catalog Number
<i>Each 250ml cement cartridge includes (3) three static mixer tips.</i>	Kemresin Lite/II Cement	Joining Kemresin Lite/II work tops	White	250ml	<b>TKL-048-WH</b>
			Grey	250ml	<b>TKL-048-GR</b>
			Taupe	250ml	<b>TKL-048-TA</b>
			Light Neutral	250ml	<b>TKL-048-LN</b>
			Sand	250ml	<b>TKL-048-SA</b>
<i>Each cartridge will fill approximately 20 feet of joint.</i>	Product	Application	Color	Quantity	Catalog Number
				Static Mixer Tip	Kemresin Lite/II cement (extras)
	Dispensing Gun	Kemresin Lite/II cement	NA	1 each	<b>F-5571-00</b>

# Maintenance Materials

## Enamel Touch-up Paint *(for steel cabinetry)*

**NOTE:**

*Two coats of paint are recommend for any area needing touch-up.*

*For best results, use a heat gun or 1500 watt blow dryer for three to five minutes on the repainted area. This improves both the color match and adhesion.*

Product	Application	Color	11oz Aerosal
Enamel Paint	Touch-up of painted steel cabinets.	#12 Black	<b>Q-4790-12</b>
		#20 Sand Tan	<b>Q-4790-20</b>
		#61 Light Neutral	<b>Q-4790-61</b>
		#62 Driftwood	<b>Q-4790-62</b>
		#65 Dutch Blue	<b>Q-4790-65</b>
		#68 Surf Green	<b>Q-4790-68</b>
		#78 Snow White	<b>Q-4790-78</b>
		#80 Black Cherry	<b>Q-4790-60</b>
		#81 Aquamarine	<b>Q-4790-81</b>
		#82 Deep Coral	<b>Q-4790-82</b>
		#83 Dessert Sand	<b>Q-4790-83</b>
		#84 Mariner Fog	<b>Q-4790-84</b>
		#85 Satin Grey	<b>Q-4790-85</b>
		#86 Solitude	<b>Q-4790-86</b>
		#87 Mountain Blue	<b>Q-4790-87</b>
		#88 Malt	<b>Q-4790-88</b>
#89 Midon	<b>Q-4790-89</b>		
#90 Amazon	<b>Q-4790-90</b>		
#91 Sage	<b>Q-4790-91</b>		
#92 Butter Silk	<b>Q-4790-92</b>		
#93 Chocolate	<b>Q-4790-93</b>		
#94 True Blue	<b>Q-4790-94</b>		
#95 Stormy Blue	<b>Q-4790-95</b>		
#96 Wineberry	<b>Q-4790-96</b>		

# Maintenance Materials

## Wood Touch-up Stains

**NOTE:**

*Wood stains do not offer any chemical resistance. Areas needing to be refinished should receive two coats of Clear Top Coat after stain is applied.*

<b>Oak &amp; Maple Stains</b>	Color	Pint Can
	Natural	n/a
	Seaside	<b>X-020012-002</b>
	Sherwood	<b>X-020012-003</b>
	Woodland	<b>X-020012-004</b>
	Santa Fe	<b>X-020012-005</b>
	Harvest	<b>X-020012-006</b>
	Cimarron	<b>X-020012-007</b>
	Winchester	<b>X-020012-008</b>

## Wood Touch-up Top Coat Varnish

**NOTE:**

*Kewaunee's Clear TopCoat is a two-part catalyzed polyurethane varnish. Pint cans of touch-up have been premixed at the time of shipment and have a shelf life of approximately nine weeks.*

*For larger quantities of Top Coat or when a longer shelf life is required, contact your Kewaunee representative.*

<b>Top Coat Varnish</b>	Color	Pint Can
	Clear Top Coat	<b>X--018716</b>





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