

NORTON

SAINT-GOBAIN

FAB

DON'T COMPOUND THE PROBLEM

GET THE FINISH YOU WANT AND ELIMINATE THE MESS

Norton FAB (Fixed Abrasive Buff) buffing wheels are an innovative buffing solution that can achieve superior results and long life with minimal buffing compound required. Norton FAB wheels feature a patented design which incorporates abrasive grains into the buffing wheel.

APPLICATIONS: AUTOMATIC OR SEMI-AUTOMATIC BUFFING | CUT BUFFING | MUSH BUFFING

MARKETS: HARDWARE | PLUMBING | AUTOMOTIVE | HOMEWARE | OIL & GAS

www.nortonabrasives.com



The fixed abrasive grains of the FAB wheels do the job typically performed by buffing compound. By virtually eliminating the requirement for messy compound you can save money and see a cleaner, safer work environment. Less compound means a reduction in compound clean up, maintenance expenses, and waste disposal. Available in outer diameters from 5" to 22" and various ply, pack, and ID hole designs Norton FAB wheels can be easily incorporated into existing robotic buffing applications. Norton FAB wheels are tear resistant, waterproof, and durable - offering 35% longer life than traditional cotton buffs for improved productivity, more parts per buff, and fewer buff changes.



Materials

BRASS | BRONZE | ALUMINUM | ZINC | STAINLESS STEEL AND SOME COMPOSITES



- Patented design consistently provides excellent single digit Ra values
- Uniform dispersion of abrasives provides more consistent buffing performance
- Reduction of buffing compound allows for significant cost and safety benefits
 - Less hassle of clean up in buffing operations and post cleaning processes
 - Minimize costs associated with the purchase, application, clean-up, equipment maintenance, and disposal of compound
 - Less compound improves worksite safety and reduces the environmental impact of compound disposal
- Tear resistant, durable, waterproof design allows for long life and increased productivity
 - Longer buff life means more parts per buff and less buff changes
- Easily incorporated into existing robotic applications with no modifications needed
- Superior finishing performance can eliminate pre-buff processing steps

AVAILABLE SPECS:

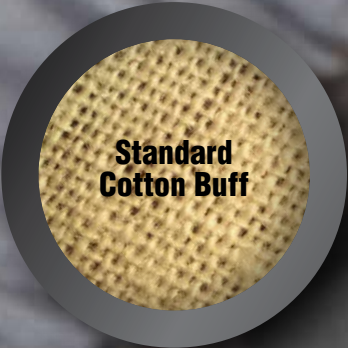
ABRASIVE:	Premium Silicon Carbide
GRIT:	29 micron average
WHEEL OD SIZES :	5" – 22"
PLY: (number of cloth layers of buff)	12, 16
PACK: (waviness of the buff face)	2, 4



Please contact your Norton Rep with requests for special sizing an/or additional pack and ply configurations

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FIXED ABRASIVE BUFFING WHEELS



**Standard
Cotton Buff**



FAB



A Closer Look at FAB

Both sides of the cloth of the FAB buffing wheels are uniformly coated with abrasive grains. This means better abrasive coverage of the workpiece and a more consistent finish.

The Art of Buffing Driven by Science

The conventional buffing process uses a buffing wheel along with abrasive buffing compound to achieve a final finish in many industries. But, the conventional buffing process can be problematic, mainly due to the messy abrasive compound required. With the introduction of FAB wheels we are excited to share a cleaner, and safer way of buffing. Using our years of coating expertise, we developed a patented design which incorporates abrasive grains into the cloth of a buffing wheel. With abrasives now incorporated into the buffing wheel you can virtually eliminate the need for messy compound allowing for a cleaner, safer, more productive buffing process.

SKIP A STEP

With conventional buffs, the use of a fine grit coated abrasives is typically required for final preparation prior to buffing. FAB wheels on the other hand provide consistent finishes in the 1 to 5 Ra range from even a coarse grit prepped surface.

Conventional
Finishing Steps

Surface Prep – 280 grit **1**

Surface Prep – 320 grit **2**

Mirror Finish – Cotton buff with compound **3**

Finishing with
Norton FAB

Surface Prep – 280 grit **1**

Mirror Finish – Norton FAB (70% less compound) **2**

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FIXED ABRASIVE BUFFING WHEELS

Case Study #1

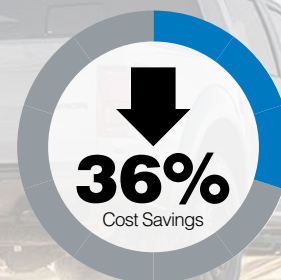
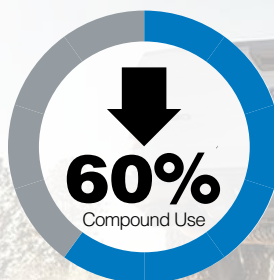
APPLICATION: Buffing of aluminum automotive parts (truck step bars)

MACHINE: Automatic buffing machine with 12 buffing heads

INCUMBENT WHEEL : Cloth/Sisal buffs with compound

FAB WHEELS: 18" x 7" x 1.25", 12 ply, 4 pack with less than 1/2 the amount of compound

RESULTS: FAB wheels met the surface finish requirements with 60% less compound use. The reduction of compound use alone translated into an overall cost savings of 36%.



Case Study #2

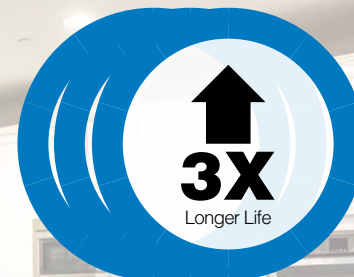
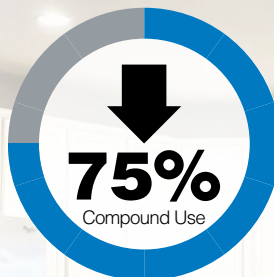
APPLICATION: Buffing of aluminum light reflectors for recessed ceiling lights

MACHINE: Automatic buffing machine

INCUMBENT WHEEL : Cloth buffs with compound

FAB WHEELS: 5.5" x 2", 12 ply, 2 pack with 1/4 the amount of compound

RESULTS: FAB wheels met the surface finish requirements with 75% less compound use. The FAB wheels lasted 3X longer than the incumbent cotton buffs.



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USA CUSTOMER SERVICE:

Toll Free Phone: 1 (800) 551-4413
Toll Free Fax: 1 (800) 551-4416

CANADA CUSTOMER SERVICE:

Toll Free Phone: 1 (800) 263-6565
Toll Free Fax: 1 (800) 561-9490

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NO-RISK TEST

