



FIREWATER TIRE SOLUTIONS

Tire Prep How-To Guide for Beginner Racers

Introduction

Welcome to Firewater Tire Solutions. This guide is designed to help beginner racers understand how to use tire prep effectively for improved grip, performance, and safety on race day. Whether you're racing on dry slick clay, heavy bite, sandy loam, or asphalt, this guide covers the essentials.

Our trusted prep is used by Firewater Motorsports and its racers.

Step 1: Tire Cleaning

- **Product:** Firewater Tire Wash
- **How to Use:**
 - Spray evenly over the entire tire or submerge in a bath.
 - Scrub with a medium-stiff brush.
 - Rinse thoroughly and let dry completely before proceeding.

Step 2: Surface Prep (Buffing)

- **Grit:** 120 to 180 grit sandpaper
- **Keep Tires Cool:** Don't overheat the rubber it will glaze over and you'll have a mess. Use tire wash to keep tire cool.
- **Pattern:** Cross-hatch (crisscross motion)
- **Goal:** Opens up the pores of the tire for better chemical absorption.

Step 3: Inside Prep

- **Application Volume:**
 - Warmer Weather: 40cc–80cc per tire
 - Colder Weather: 80cc–120cc per tire
 - Hard Track: Less
 - Soft Track: More
 - **Instructions:**
 - Use an inside prep syringe.
 - Distribute evenly inside the tire carcass.
 - Let roll on a rotisserie for 6–8 hours minimum.
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Step 4: Outside Prep (Wipe Application)

- **Tool:** Wax applicator pad or small foam roller
 - **Container:** Small Ziplock sandwich container is a simple tool
 - **Amount:** Moderate (enough to wet the surface without dripping)
 - **Instructions:**
 - Apply evenly over the tread in a circular or cross-hatch motion. Staying just inside the wear lines of the tire. Do not coat the sidewalls.
 - Allow to dry before racing. Some pre-race preps will stay wet on the tire prior to the race. You may use a torch to speed up the absorption process.
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Step 5: Storage

- **Wrap your Tires?** Not necessary
 - **Ideal Storage Temperature:** Ambient or consistent with race day conditions (60–75°F preferred)
 - **Tip:** Store tires in a clean, dry area away from direct sunlight or extreme temperature changes.
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Common Mistakes to Avoid

- **Over-soaking:** Can cause the tire to overheat or lose structure.
 - **Over Stimulated Area:** Do not wipe one area of the tire more than another and avoid stopping a tire during internal rolling process.
 - **Cross-contamination:** Use separate tools/pads for different compounds.
 - **Skipping cleaning and surfacing:** Dirt and oils prevent prep from penetrating properly.
 - **Incorrect volume:** Adjust based on temperature and track surface. You can apply too much.
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Pro Tip

“Consistency wins races. Prep the same way every time, record information, and track your results to dial in your setup.”

Supported Tire Brands

Firewater preps work best with:

- **Maxxis**
- **Burris**
- **Hoosier**
- **Vega**
- **Cobras**
- **AJC**
- **Reaper**

Note: Burris tires have a separate prep system with specific Bite and Conditioner products.

INSIDE PREP AMOUNT GUIDE (1-4 weeks prior to race weekend)

Condition	Soak Amount
Hot Weather (75°F+)	40–60cc
Cold Weather (<60°F)	80–120cc
Dry Slick Track	80–100cc
Heavy Bite Track	40–60cc
Sandy Loam	60–90cc
Asphalt	40–70cc

AT HOME GUIDE PREP GUIDE

Day	Prep
Sunday	Surface, Clean, 1 wipe of Conditioner
Wednesday	2-3 wipes of Bite or Dragon's Claw
Thursday	2-3 wipes of Bite or Dragon's Claw
Friday	2-3 wipes of Bite or Dragon's Claw
Saturday	Race day operations

WHAT TO APPLY AT THE TRACK?

This is a loaded question. However, Firewater is like no other prep company, they will help you understand your track surfaces and what will work for you. Communication is key. Preparation is also key but if you don't take the time to stagger, kart setup, and learn the program you won't see the results we can provide.

AT TRACK GUIDE PREP GUIDE

Condition	Prep
Dry Slick Track	Bite, Dragons Claw, Tire Wash,
Heavy Bite Track	Dragon's Claw, Dragon's Breath, Dragon Wizz
Sandy Loam	Dragon's Claw, Dragon's Blood, Dragon's Wizz
Asphalt	Asphalt Grip

Order at www.firewatertiresolutions.com

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