

Wildfire Preparedness Subcommittee—Grant Creek Neighborhood Council 7 to 8:30 p.m. March 21, 1380 Starwood Drive

Attending: Lee Clemmensen, Kim Birck, Mike Cole, John Langstaff, Brian Walter, Bert Lindler, Tim Hunt Karen Gasvoda (Office of Neighborhoods), Maxwell Rebholz (Missoula County Wildfire Preparedness Coordinator)

What's Happening to Prepare for Wildfire in Grant Creek? Max Rebholz has applied for a United Way grant that he hopes will provide funds to allow him to help 10 communities in Missoula County prepare for wildfire. He has also applied for a much larger grant from the Federal Emergency Management Administration to reduce hazardous fuels.

Brian Walter discussed the need for fuel breaks on public lands near homes. He presented an “Action Item” list for the committee’s use (see attachment).

Max Rebholz said there’s no need to clear cut the boundary between forest and backyards. Shaded fuel breaks 30 to 100 feet deep should do the job. Ladder fuels are removed, trees are cut so the canopies are no closer than 10 to 20 feet from each other, and the trees are limbed 6 to 10 feet above the ground.

Max Rebholz’s first priority in the coming months is to prepare a community risk assessment. A team of fire officials accompanied by neighborhood volunteers will need to spend a day or two driving through lower, middle and upper Grant Creek to set priorities for work that’s needed. Afterward, Rebholz will write up the assessment with specific recommendations for action.

John Langstaff, Tim Hunt, Mike Cole, and Brian Walter agreed to help with the assessment as neighborhood volunteers.

Mike Cole suggested that it might be possible to train neighborhood volunteers to conduct home assessments.

Cole also brought up the question of reducing fire hazard along the right-of-way on Grant Creek Road (see attachment), the only way in and out of Grant Creek. He wants to make sure that folks know that work is taking place in Grant Creek. Working along Grant Creek Road would serve that purpose, as would publicity, such as an article in “Grant Creek Living.” John Langstaff has also been advocating for reducing the fire hazard along the right-of-way on Grant Creek Road.

There was discussion about organizing disposal of slash generated by homeowners working on their own property. John Langstaff said that during an earlier community preparedness campaign, homeowners were asked to pile slash along the road. A chipper followed by a dump truck chipped and disposed of the slash.

Lee Clemmensen shared information about fire-resistant paints (see attachments).

Max Rebholz said that State Farm provides \$500 grants each year (application deadline in March) for communities that want to designate projects for “Wildfire Community Preparedness Day” (in May): <https://www.nfpa.org/public-education/campaigns/national-wildfire-community-preparedness-day>

Approval of the February 25, 2019 Minutes: John Langstaff moved and Lee Clemmensen seconded that the subcommittee approve the draft minutes of the February 25, 2019 meeting that had been circulated using the city's listserv for the Grant Creek Neighborhood Council. The minutes were approved by unanimous voice vote.

Attachments:

Thoughts on Use of Montana Conservation Corps for Wildfire Mitigation Projects (prepared by Mike Cole)

Action Items for Grant Creek Wildfire Preparedness (prepared by Brian Walter)

Fire-Resistant Paints (provided by Lee Clemmensen)

Thoughts on Use of Montana Conservation Corps for Wildfire Mitigation Projects

Standards and Safety Considerations for Fuel Mitigation Along the Entire Length of Grant Creek Road.

Activity: Grant Creek Road Right of Way Clearing.

- 1) Contact adjoining landowners where work is being done.
- 2) Flag right-of-way.
- 3) Clear brush and ladder fuels within the road right-of-way **ONLY** (to avoid any conflicts with private landowners).
- 4) For larger trees, limb branches 10-12 feet above the ground.
- 5) Provide traffic control for safety of crew and public.
- 6) Remove all vegetation that is treated to an off-site location, or chip on-site.

Objective: Reduce fire/fuel hazards along specific areas of the Grant Creek Road corridor. The activities planned would be standard operating procedure if the road was ever used as a fireline during an active fire. Pre-planning saves both time and money, and improves public safety in the event of a wildfire.

Focus Areas:

1) From Nature Preserve to Elk Foundation Road – This area of concern has received comments at neighborhood meetings. In particular, due to the narrowness of the road corridor, questions have arisen about what would happen during an evacuation if active fire or wind during a fire resulted in dead limbs/trees coming down and blocking the Grant Creek Road.

Side note – Habitat where deciduous trees such as cottonwood and aspen can often act as a barrier to fire spread unless a firestorm moves through the area. This needs to be discussed with members of the Grant Creek Neighborhood so they understand the value of protecting the riparian area.

Fuels reduction activities within the riparian area need to be mitigated. Follow State of Montana standards for timber removal adjacent to streams. Clematis can be removed to eliminate ladder fuels. Limbing larger trees 10-12 feet above ground is possible. It may be necessary to leave some large, woody debris on the ground. Limbing dead branches above the road surface will require a bucket truck. This project may not be as visible due to work limitations associated with the riparian area.

2) Parkwood Drive to Colorado Gulch - remove/thin ladder fuels. Limb larger trees.

The Grant Creek Neighborhood Council Wildfire Preparedness Committee needs to set the example, so any project, especially the first one, needs to be highly visible to local residents to gain their support.

Internal and External Publicity:

- 1) Pre and post clearing photos will be necessary for public information.
- 2) Include photos with a story for the Grant Creek Neighborhood website and neighborhood email lists.
- 3) News media (Missoulian and TV stations) would be interested in a story like this while it is ongoing.
- 4) The Grant Creek monthly magazine would probably do a story about the project.
- 5) Develop and use portable sign(s) both during and after a specific project, i.e., **Entering Grant Creek Neighborhood Wildfire Preparedness Project Area**.

21-Mar-19

ACTION ITEMS FOR GRANT CREEK WILDFIRE PREPAREDNESS

ITEM	DEVELOPER	TARGET START	TARGET COMP	FOLLOW-UP
1. Issue recommended prevention prescription for each individual lot/house. Provide Labor or financial sharing if available.				
2. Provide clear-cut swath in forest adjoining homes/building lots. Width?				
3. inspect previous fuel reduction area behind Grant Creek Hills /Colorado Gulch. Re-do if necessary..				
4. clean up all Road rights of way in Grant Creek. Remove all small trees and brush. Prune all large trees to 10 ft above ground.				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Sansin FireStop97: The ultimate flame spread protection in a solid interior wood finish. Available in white, pastel or light colored wood tones. Provides "Class A" flame spread protection that conforms to ASTM E84 and Canadian Standard CAN/ULC-S102-10.

FEATURES

• Durable, protective decorative finish	combustible materials
• Resists heat and fire	• Fast drying
• Reduces flame spread and toxic gas formation	• Brush, spray or roller applied
• Forms ignition barrier on porous	• Easy one or two coat application
	• Excellent workability & flow properties

- Tintable
- Environmentally-friendly – low toxicity
- Water cleanup
- UVOC*

MODE OF ACTION

Sansin FireStop97 is a white water based, non-toxic, intumescent, ready to use, interior, fire retardant coating. It is designed for use as a self-priming paint for wood substrates including SPF plywood, Oriented Stand Board, wood trusses, glue laminated/cross laminated timbers, constructions studs and many assemblies where improved fire resistance is required.

In the presence of heat or flame FireStop97 will intumesce (expand its film thickness) and creating a thick charred heat-insulating foamy layer. This action prevents oxygen from reaching the combustible coated materials (the "fuel") and diluting combustible gases if released by the fuel.

FireStop97 must be applied to 130-160 Ft²/Gal total coverage in a uniform film thickness achievable in one to two coats.

TINTING

Sansin FireStop97 dries to a white opaque, low lustre flat finish. Coloring the formula should be done by the manufacturer or dealer within specifications. A broad spectrum of light colors are achievable.

CHARACTERISTICS - RESOLUTION I

• Odor	Low
• Finish	Opaque White Low Lustre
• Colors	Architectural Pastel Colors
• Flammability	Non-Flammable
• Flash point	Not applicable, no flash point
• pH Value	8.0 – 8.5
• Solids by weight	63% +/- 1
• Solids by volume	54 – 56%
• Viscosity	2500 – 5000 cps @ 21°C
• Specific Gravity	1.16 – 1.18
• Dry to touch @ 21°C & 50% +/-5% RH	30 mins to 1 hr
• Recoat time	2-4 hrs
• Methods of application	Brush, roller or spray
• For spray an addition of up to 5% water may be required	
• Coverage	130 – 160 Ft ² /US Gal
• Average wet film thickness	10 – 12 mils
• Average dry film thickness	5 – 7 mils
• Application temperature	15 to 30°C
• Clean-up	Water or warm water with soap
• VOC	11 g/L [actual], 20 g/L [regulatory per US EPA method 24]
• Shelf life	6 months (when stored between 10 – 30°C)

PACKAGING

One gallon, 5-gallon or 55 gallon containers.

*Ultra Low VOC formulas contain 25 g/L or less VOC's using US EPA Method 24

FIRESTOP⁹⁷

ENVIRO STAIN[®]



1-2 COATS

TINT ABLE

FIRE RESISTANT

ECO FRIENDLY

PREMIER PAINTS



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Certified Paint Consultant
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premierpaints@montana.com



Sansin FireStop99: The ultimate flame spread protection in a beautiful interior wood finish. Provides "Class A" flame spread protection that conforms to ASTM E84 and Canadian Standard CAN/ULC-S102-10.

FEATURES

- Available in clear or colored tones
- Resists heat and fire
- Reduces flame spread and toxic gas formation
- Forms ignition barrier on porous combustible materials
- Fast drying
- Excellent adhesion
- Spray applied

- Two coat application
- Tintable
- Water cleanup
- Low VOC

MODE OF ACTION

In the presence of heat or flame, FireStop99 will intumesce (expand its film thickness) creating a thick charred heat-insulating foamy layer. This action prevents oxygen from reaching the combustible coated materials (the "fuel") and diluting combustible gases if released by the fuel.

FireStop99 must be applied at a net coverage of 100 Ft²/Gal total coverage in a uniform film thickness achievable in two to four coats. The number of coats depends on the wet film thickness applied but is limited to the sag resistance of 4 wet mils on vertical surfaces. Horizontal machine coat applications can be applied up to 8 wet mils.

TINTING

Sansin FireStop99 dries to a translucent, low luster matte finish. Translucent wood tones and custom colors are available from the manufacturer.

CHARACTERISTICS

• Odor	.....	Low
• Finish	.....	Translucent Low Lustre
• Colors	.....	Translucent Wood Tones
• Flammability	.....	Non-Flammable
• Flash point	.....	Not applicable, no flash point
• pH Value	.....	8.0 – 8.5
• Solids by weight	.....	57% +/- 1
• Solids by volume	.....	50 – 52%
• Viscosity	.....	20-25 sec, #3 @21°C
• Specific Gravity	.....	1.10 – 1.13
• Dry to touch @ 21°C & 50% RH	.....	30 mins to 1 hr
• Recoat time	.....	4 hrs
• Methods of application	.....	Brush, roll, or spray
• For spray an addition of up to 5% water may be required	.....
• Coverage	.....	90 – 100 Ft ² /US Gal
• Average wet film thickness	.....	8 – 9 mils
• Average dry film thickness	.....	6 – 8 mils
• Application temperature	.....	15 to 30°C
• Clean-up	.....	Water or warm water with soap
• VOC	.....	14 g/L [actual], 26 g/L [regulatory per US EPA method 24]
• Shelf life	.....	6 months (when stored between 10 – 30°C)
• Sag Resistance	.....	4 mils

PACKAGING

One gallon, 5-gallon or 55 gallon containers.

SURFACE PREPARATION

PREPARATION IS KEY TO A SUCCESSFUL PROJECT

- Ensure the surface is free of contaminates such as dust, grease and oils.
- Remove all loose, peeling or powdery paint.
- Sand to create even smooth surface, remove glaze and improve adhesion of FireStop99.
- Use 120-150 grit paper for final surface finish.
- If applying to previously painted surfaces, verify compatibility and bonding characteristics in a small inconspicuous area prior to proceeding with the project.



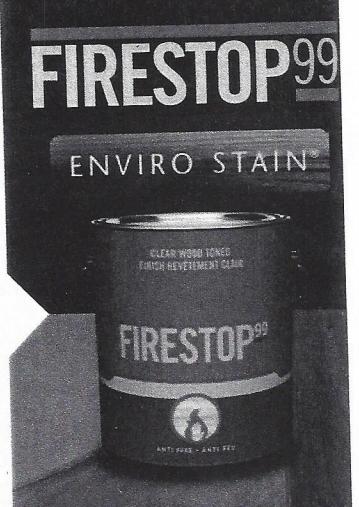
STIR WELL BEFORE
AND AFTER APPLICATION



SAND TO REMOVE GLAZE AND
IMPROVE ADHESION

APPLICATION

- Stir well before and during use.
- Apply two or four coats of Sansin FireStop99 to achieve a net coverage rate of 90 -100 Ft²/Gal to achieve an ASTM E84 or CAN/ULC-S102-10 class "A" rating.
- Ensure the first coat is "dry-to touch" before the second coat is applied.
- FireStop99 is best applied by spray equipment (11 to 13 thou tip)
- FireStop99 is a ready to use product.
- For spray application, thin up to 5% with water.
- Ensure adequate dry film thickness to meet performance specifications.
- Do not apply at temperatures lower than 15°C (59°F). Best application temperature recommended is 20°C to 25°C (68°F to 77°F).
- Buff using a fine scotch bright pad after final coats or between coats for a smoother finish.
- For optimum sheen and additional mar resistance, apply an approved topcoat such as Sansin Resolution™.



FIRESTOP 99
ENVIRO STAIN®
CLEAR WOOD TONED FINISH REVERENCE CLEAR
ANTI FLAME - ANTI FEU

2-4 COATS


TINTABLE

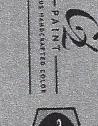

FIRE RESISTANT


ECO FRIENDLY


PREMIER PAINTS



PORTER PAINTS
LUBBOCK MANUFACTURED



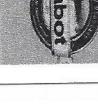
GLOSS



PAINTS



PAINTS



CABOT

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SDF-FR: The ultimate flame spread protection in a beautiful wood finish designed for interior or non-exposed exterior wood surfaces. Provides "Class B" flame spread protection that conforms to ASTM E84 and Canadian Standard CAN/ULC-S102-10.

FEATURES

- Available in clear or colored tones
- Environmentally-friendly
- Resists heat and fire
- Reduces flame spread and toxic gas formation
- Forms ignition barrier on porous combustible materials
- Fast drying

- Excellent adhesion
- Spray applied
- Two coat application
- Tintable
- Water cleanup
- Low VOC

APPLICATIONS

For interior non-working surfaces and exterior non-exposed, non-working surfaces:

- Ceiling
- Walls
- Protected exterior soffits

COLORS

Available in standard and architectural custom colors.

COATING SCHEDULE

Non-exposed, non-working surfaces.

1st Coat: SDF-FR (Toned appropriately or Clear)

2nd Coat: SDF-FR (Toned appropriately or Clear)

CHARACTERISTICS

• Appearance (in can).....	Milky White Liquid
• Odor.....	Mild Amine Smell
• Solids.....	36.0% ±0.5%
• Viscosity #3 ZAHN Cup, 20°C (68°F).....	22-26 sec
• VOC (act)	61.3 g/L
• VOC (reg)	176.0 g/L
• pH (approx).....	8.0-9.0
• Specific Gravity.....	1.1-1.2
• Density (lbs/Gal).....	9.1-9.9
• Wet Film Thickness.....	4 Wet Mils
• Coverage.....	267-400 sq. ft./US Gal
• Sag Resistance.....	3-4 Mils
• Dry time (to touch) @ 20°C (68°F) and 50% RH.....	30 minutes
• Recoat time @ 20°C (68°F) and 50% RH.....	allow 6 hrs drying minimum

PACKAGING

5 Gallon pail, 50 Gallon drum, and 265 Gallon tote.

SURFACE PREPARATION

- Inspect wood surfaces for defects and make any necessary repairs.
- Ensure surface is clean bare wood, free of contaminates such as dust, grease and oils.
- Sand using a 120 grit paper and a variable speed random orbital sander to remove mill glaze and improve adhesion of SDF-FR.

WORKING PROCEDURE

- Do not apply at temperatures lower than 15°C (59 °F). Recommended application temperature is 20°C to 25°C (68°F to 77 °F).
- Protect from moisture and wetting.
- Stir well before and during use.
- SDF-FR is best applied by spray equipment (11 to 13 thou lip).
- Spray apply recommended film thickness of SDF-FR first coat.
- Allow first coat to dry for a minimum of 6 hrs @ 21°C (70°F) and relative humidity of approximately 50%.
- De-nib sand surface for preparation of the second coat.
- Spray apply recommended film thickness of SDF-FR second coat.
- Allow to dry.
- Protect from marring.

MAINTENANCE

Maintenance cycle may vary due to formulas selected, exposure and workmanship. Maintenance is necessary when the surface shows signs of wear, such as fading or erosion. If fading or erosion is evident, prepare wood by gently washing the surface with soap and water or with a weak solution of Sansin Multi-Wash to lightly clean the wood surface. Then re-apply one maintenance coat of SDF-FR according to instructions.

STORAGE

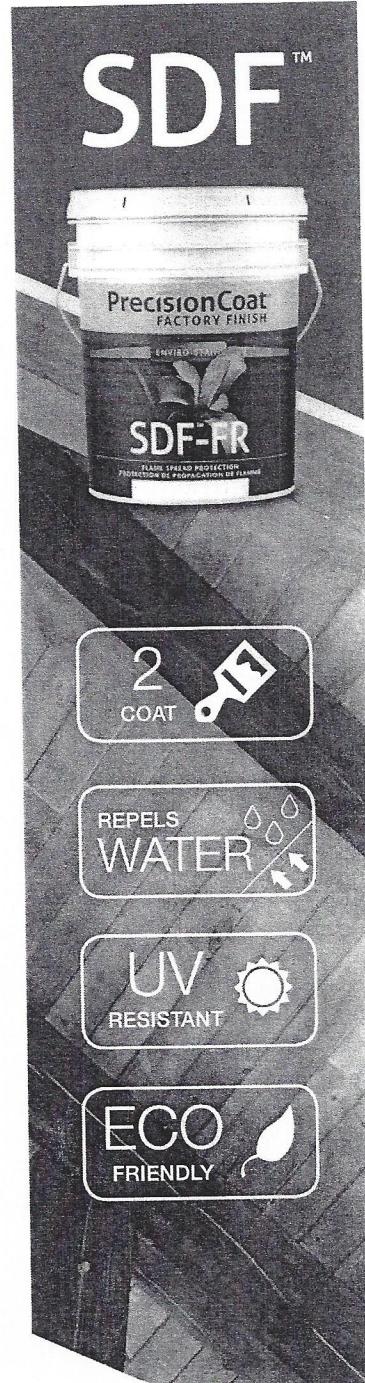
Shelf life when stored in ideal conditions is 18 months. Store at a temperature of between +10°C and +30°C (50°F and 86°F). Keep containers tightly closed.

SAFETY

See Material Safety Data Sheet.

WARNING TO USERS

Keep out of reach of children, if swallowed immediately drink two glasses of milk or warm water. Do not induce vomiting. Call physician immediately. Avoid contact with skin or eyes; flush with soap and water. Avoid breathing of vapor or mist. Wear a properly fitted NIOSH/MSHA approved respirator. The information contained in this document is given in good faith based on our current knowledge. The use of the product is beyond the control of The Sansin Corporation and no guarantees, expressed or implied, is made as to the result to be obtained if not used in accordance with the published Directions for Use. The Sansin Corporation does not assume any legal responsibility for use or reliance on same. This information must on no account be used as a substitute for necessary field tests, which alone can ensure that the product is suitable for the expected use. Before using any product, read its label.



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