

TARMAC/ASPHALT ROADS FOR MODEL RAILROADING – NO ARTISTIC SKILL REQUIRED

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GOALS OF THIS CLINIC

- Provide information on tools and materials used by the clinician
 - There are many tools, techniques and materials, this is just how I do it. Other similar ways:
 - o Kathy Millat video https://www.youtube.com/watch?v=9JEpyGJdxx4
 - Model Railroad Hobbyist project DOC -

http://richlawnrailroad.com/wp-content/uploads/2014/05/ModelingAsphaltRdsBySteveS_MRH.pdf

•Show step-by-step methods for making realistic tarmac/asphalt roads

BASIC STEPS

- Prototype Research
- Cut craft foam to size of area to be asphalted
- Add texture
- Sponge on base color
- Tape lines to be painted
- Sponge on white, or yellow (not 1938 PA), paint

- Apply ASH chalk
- Apply GRIMY BLACK chalk
- Apply DUST chalk
- Apply BROWN chalks& patches
- Detail crack patches
- Glue in place

TOOLS USED

- Steel wire brush, file card
- Coarse sponges
- Paint mixing tray or cardboard
- Brushes for applying chalks
- Water dish
- Permanent markers
- Painter's tape







Materials Used

- Black 2 mm craft foam
 - Michaels 12" x 18" Foam Sheet by CreatologyTM, Item # 10597484
 - Amazon Darice 2mm Foamie Roll, 36-Inch by 60-Inch, Black Price: \$10.88
- Pale Umber Artist Acrylic Paint
- White Artist Acrylic Paint
- Weathering Chalk
 - Ash
 - Grimy Black
 - Dust
 - Brown





 Accurate modeling requires prototype research

• And as an artistically challenged engineer, I need a lot of material to

copy

Internet – 1930's PA Highway

Management of the state of the

Google Earth SR 994 Rockhill PA (road modeled on my layout)



ROTOTYPE RESEARCH

Local roads



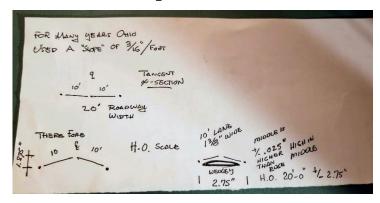
Mason Road, Erie County, Tar & Chip - 2021



Ohio SR 4, Asphalt – 2021

PROTOTY

- Use SHARP Exacto knife and cut foam to size (replace blade frequently as needed)
 - My road is 18' wide
 - o In HO, 2 ½"
 - Crown??
 - Road consultant provided this info



- Accordingly, crown should be .025" (.64mm)
- Sometimes model details need to be oversized in order to effectively show
- At same time as cutting roadway, I cut ½" wide strip from 2mm (.079") foam to use under center of road to create exaggerated (viewable to 1:! Eyes) crown

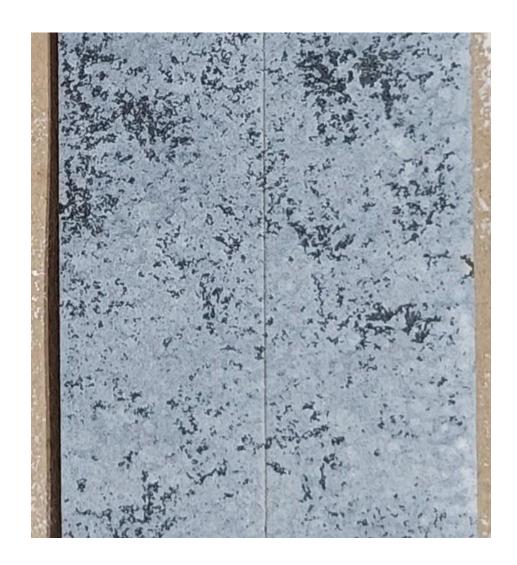
• Use steel wire brush to add texture



 Use Exacto knife to score lightly asphalt placement crack in foam



DESIREL



NOTE: CRACKS ARE TYPICALLY ADDED PRIOR TO COLORING THE ROADS. THIS PHOTO HAS THE 1ST STEP OF COLORING TO BETTER SEE THE CENTERLINE CRACK

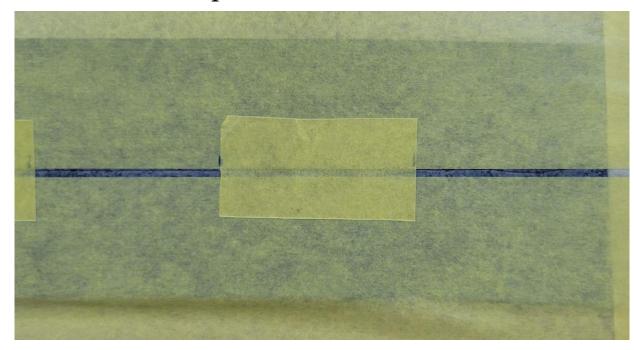
DESIREI

 Dab on primary road color using rough sponge





- After primary color paint has dryed (overnight for me) use painter's tape and tape stripes and/or text where desired.
 - 1938 era roads only had white center stripes
 - Modern roads have white edge and yellow center stripes



INES

- Dab on stripe color using rough sponge
 - Titanium white but any white will work





REMOVE STRIPEING TAPE

 Use small stiff brush. Dip in ash or grimy black weathering chalk. Then tap it along the roadway making small piles where you want more black showing through



• Use medium brush. Spread black chalk out where darker "lanes" will appear







• Blow off (or use a very large soft brush) excess chalk



• Again, with small stiff brush, add piles of dust chalk with emphasis on center



- Rub dust chalk in with medium brush
- Blow off or use large soft brush to remove excess



DIRT

- With small stiff brush, add piles of brown chalk along edges
- Rub in using medium brush
- Blow off or use large soft brush to remove excess



ROWN

- Again, with medium stiff brush, add piles of light gray chalk
- Rub in using medium brush
- Blow off or use large soft brush to remove excess



- o 2mm (.079") foam is perfect height to place between rails of code 83 track
 - Code 70 (1.79 mm) rail requires slight thinning of 2mm foam or ties where it meets rail
- 1/16" styrene rod used to center asphalt between rails on code 70 narrow gauge track





Aleene's
used to
attach
roadway to
scenery
base and
railroad ties



CLINIC MATERIALS CHECK LIST:

- 6'-8' Table
- Roll of heavy paper
- Scissors
- Masking tape
- Hand vac (just in case)
- Steel wire brush or file card
- Coarse sponges
- Paint mixing tray
- Brushes for applying chalks
- Water dish
- Painter's tape
- Pale umber paint
- White paint

• Each Kit:

- (1) 16"x2 ½" 2mm black foam
- (1) 16"x2 ½" 2mm black foam with Pale Umber applied
- (1) 16"x2 ½" 2mm black foam with white stripe applied on top of pale umber