

# Fireprotection

Chemicals (Pty) Ltd

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[www.fireprotection.co.za](http://www.fireprotection.co.za)



## Mixing instructions for Mine Marshal 8000:

Mine Marshal 8000 is packed in 25ℓ containers.

The standard colour is Dark Charcoal.

Upon opening the Mine Marshal 8000 container, you will see that it is not completely full. Pour the FR1 container into the 25ℓ container.

Using a strong electric drill with a paint mixer attachment, mix the components thoroughly.

The mix will set in 6 hours, therefore only mix what you can use in 6 hours.

Mine Marshal 8000 application ratios:

- ½ hour rating - apply 1ℓ Mine Marshal 8000 per m<sup>2</sup> (Mine Marshal 8000 Nano only)
- 1 hour rating - apply 2ℓ Mine Marshal 8000 per m<sup>2</sup> (Mine Marshal 8000 Grit base coat 1ℓ, Nano top coat 1ℓ)
- 2 hour rating apply - 2.5-3ℓ Mine Marshal 8000 per m<sup>2</sup> (Mine Marshal 8000 Grit base coat 2ℓ, Nano top coat 1ℓ)

## Application procedure:

- Make sure surface is clear of oily substances. Clean with mild detergent if necessary. Do not use solvents - can cause adherence issues.
- Surface has to be dust and particle free before application
- **Do not** apply if humidity is high
- Sand very smooth surfaces down with a sander prior to ensure adhesion
- Use PPE – **always** use goggles, gloves and respirators
- If Mine Marshal 8000 is applied over other coatings such as varnish, PVA or creosote, we can't guarantee proper bonding. It is advisable to test a sample to ensure compatibility before the application commences
- Use the correct primer – water-based with a high film strength
- Stir Mine Marshal 8000 well before use
- Do not add water. To dilute use Mine Marshal 8000 reducer
- Use a paint brush to apply
- Use quick smearing action to plaster the Mine Marshal 8000 to the steel or PVC pipe - this application takes a bit more skill than ordinary painting
- Do not apply the first coat too thick, allow to dry for about 1 hour (depending on the weather conditions it might take a bit longer)
- The Mine Marshal 8000 does not have to be completely dry before you apply the second coat
- Apply a thicker second coat, allow to dry
- Apply a 3<sup>rd</sup> coat if the application thickness is less than 2.5mm
- Mine Marshal is fully cured in 21 days
- For indoor use only

## **Primers:**

- Raw timber – Mine Marshal 8000 Timber primer
- PVC – Plascon PVC Primer / Duram 88 Stonechip Primer
- Unpainted steel / corrugated iron sheets– Zinc Phosphate

## **Aftercare:**

Applications has to be inspected after 5 years to ascertain the condition. Redo any parts that has been damaged.

## **Application checklist:**

- Clean surfaces
- Smooth surfaces sanded
- Correct primers
- Product integrity (mixed properly, thinned correctly if needed)

### Mine Marshal Blue:

- For mine timber only
- Functionality: reduces possible fire ignition and spread of flame

Please contact Theo Basson on 082 850 4834 if any additional info is required.

Refer to the MSDS at [www.fireprotection.co.za](http://www.fireprotection.co.za)