



www.MyBigNano.co.za
Product Brochure



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About MyBigNano South Africa and our Products.



MyBigNano South Africa was established in 2010 with the aim to bring Nanotechnology coatings to South Africa.

Our Company was the first company in South Africa to do so by signing an exclusive territorial distributorship agreement with Nano4Life EUROPE, the global leader in Nanotechnology Coatings with Distribution in over 30 Countries and counting.

On a National Level, we offer ALL of Nano4Life's Sector Specific range and have established a Provincial operators' system. We currently have Operators in 6 of South Africa's 9 Provinces.

Internationally, **MyBigNano** is also present in Australia, Zambia and Turkey under the same System.



A South African First



In another South African First, MyBigNano Brings to you FlameOFF, the ultimate solution in Fire Protection Technology .

ARE YOU PROTECTED?

PASSIVE FIRE PROTECTION SAVES LIVES

Inquire about MBN FlameOFF





MBN FlameOff Pyro 300 for Mining Timber



NEW

**Now with Blue
Time Indicator!**

Description:

FlameOff Pyro 300 is a new generation water based and intumescent Fire Retardant for Timber and other raw unvarnished wood. Now with Time indicator which tells you when to reapply.

Basis Of Operation:

FlameOffPyro 300 is a new generation water based Nanotechnology product and is one of the only Nanotechnology products on the market that has been produced for Passive Fire Protection. FlameOffPyro 300 is an intumescent, fire retardant of fluid consistency. When exposed to open flame, the coating will form a carbon crust, leaving the underneath unscathed.

Timber FireProofing:

In Mines, especially shaft mines, timber is used for shaft lining as well as roof support. The reason why timber is used is because wood has flexible buckling whereas other materials like adjustable metal supports are not only rigid, have to be adjusted all the time but is also very expensive. So Timber is extensively used in the interest of practicality and expense. The Problem is that's its flammable and could cost the mine millions and loss of life if left untreated.

Advantages of MBN FlameOff Pyro 300:

- ✓ Lightweight
- ✓ Forms thin layer
- ✓ Easy to repair after fire damage.
- ✓ Blue time Indicator informs when reapplication is necessary.
- ✓ Low Cost



Applications:

- ✓ Sub surface Mining.
- ✓ Surface Mining
- ✓ Horizontal and vertical supports
- ✓ Fire Muster areas
- ✓ Generally most types of raw Timber.



Application Procedure and consumption:

The viscosity of the product is low, therefore garden type pump sprayers are the best. Rollers and Brushes will also do the job.





Consumption-The following consumption Rates are Applicable:

✓ 1ℓ covers 4-6m2 depending on the material and porosity of the Timber.

Duration and Limitations:

MBN FlameOFF Pyro 300 will work until timber gets wet and will last 1 year. Regular inspections are recommended but not necessary as the color indicator will inform you when to reapply.

Safety:

- Use only in well ventilated areas
- Wear gloves and face mask when applying
- Avoid contact with skin and eyes. Wash off any contact with water
- Keep container tightly closed
- Keep out of reach of children

As this this product is used outside of our control we cannot be responsible for any damages.

Package Handling and Storage:

Shelf Life: 3 Months when kept in recommended storage conditions and original unopened containers.

Storage: Store indoors in a dry environment between 5°C - 35°C. Protect from freezing.

Packaging:

FlameOFF Pyro 300 is available in containers of 20L and 10L. Bigger quantities like drums and barrels are possible.



Application Service (optional):

Don't want the hassle of buying the product and doing the application yourself, we can send out a crew to come and do it for you.

Price: Inquire for Quotation