

TF11-MP Concrete Release Agent

The industrial ideal



Tunnel segments

Track slabs and sleepers

Spun piles

Bridge engineering

Precast concrete

Basic Composition

- Vegetable oil
- Alkyl polyethylene (9) ethers
- Alkyl polyethylene (4) ethers
- Does not contain flaxseed

Basic Characteristics

- White in appearance, odourless, fine and smooth texture
- Pure and refined, high in oil content
- Withstands high temperature and low freezing point, has a flame retardant effect
- Corrosion resistant, gas-resistant, stable, acts as a catalyst with water
- Convenient to use, clean and hygienic, does not pollute the environment,
- Environmentally friendly in 6 ways:
 1. Odourless
 2. Non-explosive
 3. Non-flammable
 4. Non-corrosive
 5. Non-toxic
 6. Non-radioactive

Packaging	200 kg steel drum
Mix Ratio	(1:4 up to 1:8)
TF-11MP with Tap Water	200kg = 1000 litres (up to 200kg = 1800 litres)
Surface Area	1litre ready-to-use = 50 m ² (up to 100 m ²)

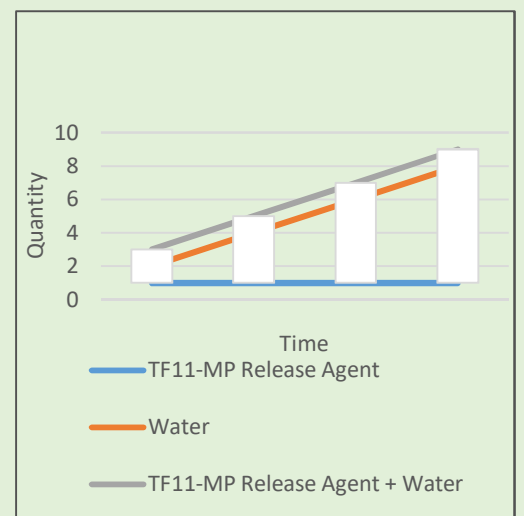
TF11-MP concrete release agent is a film-forming water-based release agent which does not contaminate concrete products. It protects architectural framework and gives concrete products smooth glossy surfaces while maintaining their original colour.

Long term effects from using TF11-MP concrete release agent

- The concrete mould gradually gets completely conditioned.
- This in turn helps concrete products achieve a smooth glossy mirror-like effect.
 - Guarantees that all sides, edges, corners and ridges of concrete products can be released completely during the demoulding process
 - Warrants that all parts of the concrete product do not adhere to the mould

How TF11-MP works

- With repeated use, the surface of the mould becomes conditioned to the concrete release. It becomes smoother, brighter and even repels dust. This way, the shelf life of the mould is lengthened.
- When this happens, it becomes easier to release concrete from the mould over time.
- As such, less concrete release agent needs to be used over time.
- This means that more water can be used. Hence the ratio of water to be added to the concrete release agent gradually increases.
- Currently, clients who have used TF11-MP for more than 10 years have experienced these benefits. Their ratio of TF11-MP concrete release agent to water is now 1:8.



TF11-MP : Water ratio over time

- Because less TF11-MP concrete release agent needs to be used in the long term, costs will be reduced significantly in terms of raw materials and labour. This in turn increases productivity.



Benefits from using TF11-MP concrete release agent long term

Excellent demoulding effects

- ✓ Protects architectural formwork
- ✓ Protects the appearance of concrete



Moisturises, smoothens and protects mould surface

- ✓ Lengthens mould's shelf life



Less concrete release agent needed

- ✓ => Lower material cost



Less labour needed to maintain mould

- ✓ => Saves time
- ✓ => Lower labour cost
- ✓ => Higher productivity

Examples of architectural projects which used Tianfu Demoulding's concrete release agent

Changchun Subway
长春地铁线

Chengdu Metro
成都地铁线

Harbin Metro
哈尔滨地铁线

Shanghai Metro
上海地铁线

Lanzhou Metro
兰州地铁线

Hohhot Metro
(opens in 2019 and 2020)
呼和浩特地铁线

Nanjing Metro
南京地铁线

Chengdu-Guizhou Railway
"Southwest First Line" leads
world technology
成贵铁路“西南第一板”领先世
界技术

Chengmianle Passenger
Line 成绵乐客运专线

Shanghai-Kunming High
Speed Railway
沪昆客运专线

Beijing - Shenyang High
Speed Line
京沈客运专线

Hangzhou Huangshan High
Speed Train
杭黄客运专线

Chengmianle Passenger
Dedicated Line
成绵乐客运专线

Shanghai-Kunming High
Speed Railway
沪昆客运专线

Beijing-Shanghai High Speed
Railway
京沪客运专线

Harbin-Dalian Passenger
Dedicated Line
哈大客运专线

Xi'an-Chengdu High Speed
Railway
西成客运专线



China Railway lines that used TF11



中国铁建



The **Hangzhou Bay Bridge** is the third longest cross-sea bridge in the world.

Constructed in the Qiantang River and Yangtze River Deltas and Hangzhou Bay, it measures 35,673 metres.

Its cable-stayed bridge design was chosen to withstand adverse weather conditions.



South-North Water Transfer Project Central route starting point Taicha in Xichuan County, Nanyang, Henan

- This is a multi-decade infrastructure mega-project in China that aims to channel 44.8 billion cubic meters of fresh water annually from the Yangtze River in southern China to the more arid and industrialised north through three canal systems:
- The **Eastern Route** through the course of the Grand Canal;
- The **Central Route** flowing from the upper reaches of the Han River to Beijing and Tianjin;
- The **Western Route** which goes from 3 tributaries of Yangtze River near Bayankala Mountain to provinces like Qinghai, Gansu, Shanxi, Inner Mongolia and Ningxia.



Side of the
Danjiangkou Dam

Side of the
Danjiangkou Dam

Danjiangkou Dam and
Reservoir



Sichuan Jianyang Tianfu Stripping Material Factory

Located in Jianyang, Chengdu, Tianfu Demoulding and its factory boast environmentally friendly facilities that guarantee production will not be influenced by routine domestic environment protection inspection.

Email:
sales@asiatransmission.com.sg
Tel: (+65) 6802 5819