

# SAFEGRIP<sup>®</sup> EP 7080 TX M16/M20 June 2004

**Safegrip<sup>®</sup> EP 7070 for winter conditions.**  
**Durable safety and antiskid coating**  
**for the marine industry.**

## DESCRIPTION

Safegrip<sup>®</sup> EP 7080 TX M16/M20 is a one coat system which is a durable, tough anti -skid coating. It is designed for application on steel, stainless steel, aluminium and existing coatings. It is ideal for footbridges, ferry ramps, ship decks, RoRo decks, helidecks, platforms, gangways etc.

Safegrip<sup>®</sup> EP 7080 TX M16/20 is based on a two part moisture tolerant special epoxy plus *Dynagrip* M16 (0,85 – 1,4 mm) or M20 (0,35 - 0,85 mm). It is tixotropic (TX). The Safegrip<sup>®</sup> EP 7080 TX M16/M20 system is light in weight. The thickness on the finished coating is 450 - 600µ exclusive stones..

## ADVANTAGES

<b>One coat system:</b>	It is applied by roller in one coating.
<b>Low weight:</b>	This is important regarding specifications of ship ramps etc.
<b>Durable:</b>	Different projects around the world prove its durability.
<b>No fillers</b>	Based on a pure moister tolerant epoxy resin.
<b>Flexible:</b>	Enough flexibility and high tensile strength.
<b>Skid resistant:</b>	Provides safe traffic under dry and wet conditions.
<b>Waterproof:</b>	Protects against corrosion
<b>Sparkle free:</b>	No sparking when use of Dynagrip
<b>Rapid curing:</b>	Ready for light traffic after about 24 hours at 20°C.

## SPECIFICATIONS

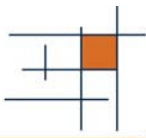
<b>Pot life:</b>	40 min at 20°C. (Shorter at higher temperatures)
<b>Coverage:</b>	0,3 – 0,65 kg/m <sup>2</sup>
<b>Thinning</b>	Max.5 % EP thinner Xylene
<b>Curing time at 20°C:</b>	10 - 12 hours
<b>Ready for heavy traffic:</b>	3 days at 20°C.
<b>Fully cured:</b>	100% after 7 days.
<b>Gravity weight:</b>	Ca.1,09
<b>Solvents:</b>	Solvent free.
<b>Tensile strength:</b>	About 40 Mpa
<b>Adhesion:</b>	
Stainless steel	10,5 N/mm <sup>2</sup>
Steel (20°C)	>15 N/mm <sup>2</sup>
Aluminium	about 8 N/mm <sup>2</sup>

## TEMPERATURE LIMITATIONS

Recommended temperature is: 8°C - 35°C. Please contact **FJERBY A/S** if the temperature differs from these.

## CHEMICAL RESISTANCE

<b>Fully cured Safegrip is resistant against the following chemicals:</b>	
Gasoline	Kerosene
Aeroplane fuel	10% urea in water
Hydraulic oil	Salt
Diesel	



**PREPARATION OF THE SURFACE**

Safegrip® EP 7080 TX M16/M20 is suited for different surfaces. The correct preparation of the surface is important for the final result.

All metal surfaces shall be gritblasted to minimum SA 2,5 with a roughness of minimum 40µ. The surface shall be dry, free from oil, grease, dirt, dust and other that can reduce the adhesion of the coating.

**MIXING**

Pour the B-component into the A-component and **stir with a slow speed paddlemixer for 4 minutes.**

**ONE COAT SYSTEM**

**APPLICATION BY ROLLER**

Safegrip® EP 7080 TX can be applied by a long hair roller. Roll on the Safegrip® EP 7080 TX from 300 - 600µ depending on what thickness is specified. Dress the Dynagrip M16 or M20 at a rate of about 0,5 - 0,75 kg/m<sup>2</sup>. Backroll over the stones so they will be fully encapsulated.

**LIMITATIONS**

Lowest surface temperature:	8°C
Max. humidity:	90%R.H
Dew point:	3°C above dew point

**TOPCOAT**

If better weathering properties are required, the Safegrip® EP 7080 TX M16 can be over coated with the Safecoat EP A41. See separate datasheet.

**PACKAGING**

Safegrip® EP 7080 TX is supplied in Set of 10 kg. The Dynagrip M16 and M20 are supplied in 25 kg bags.

**COLOURS**

Green and light grey.

**CLEANING**

Tools and equipment can be cleaned with a xylene solvent.

**SAFETY DATASHEETS**

Se our health and safety datasheets.

**STORAGE**

Safegrip® EP 7080 TX can be stored in 12 month at 5 - 20°C if the containers are not opened.

**TECHNICAL SERVICE**

**FJERBY A/S** is at disposal regarding advises an specifications in the use of the Safegrip® EP 7080 TX M16/M20.

All the data and suggestions in this datasheet are based on tests and experiences. As the users working conditions is out of our control, we cannot take the responsibility for the results that the user obtains by using the product.