

RepaCoat FX

(former: diagum)

PRODUCT DESCRIPTION

RepaCoat FX is a flexible 2-component coating with a rapid cure and high resistance against aggressive environmental conditions. After curing it has a high resistance to abrasion and wear with full elastic recovery. RepaCoat FX ensures a firm grip on metal, natural and synthetic rubber, (Nitril and Butyl) wood, concrete, etc.

TYPICAL APPLICATIONS

Repairing, coating, molding and protection of:

- rubber rollers, rubber belts, belt conveyor
- tubes, pumps, impellers, hoses
- pipes & elbows
- seals
- rubber hoses
- tanks, silos
- drums, compensators, ventilators etc.

PROPERTIES

High resistance against aggressive environmental conditions

High abrasion- and tear-resistance

Complete degeneration after elongation or compression

RANGE

Name	No.	Consistency	Spray
RepaCoat FX FL	1225	liquid	Yes
RepaCoat FX P	0373	putty	No
RepaCoat FX primer	2147	liquid	Yes

SHELF LIFE

- 12 month

PACKAGE SIZES (CPL.)

- brace 1kg, 5kg, 20kg (other sizes upon request)

APPLICATION INSTRUCTION

• Preparation

Roughen the surface by blasting or grinding. Afterwards degrease with **DIAMANT Cleaner**. Remove porous or cracked rubber parts. For application on metal surfaces use **RepaCoat FX primer**.

• Mix

Pour the hardener (comp. B) fully into the resin (comp. A) container. Mix manually using a spatula. Mix until the hardener has mixed well into the tougher resin. Ensure that all the material is removed from the walls and sides of the tin and is mixed properly. After mixing the material should be applied immediately.

• Application

First apply a thin adhesion layer with a spatula or a short bristled brush. Afterwards apply immediately the necessary layer thickness. If **RepaCoat FX** shall not adhere to special parts or surfaces, they must be coated with **DIAMANT separator**. **RepaCoat FX FL** can be injected into gaps or cavities by using a cartridge.

• Caution:

For trouble-free hardening the object temperature should neither remain under 5°C.

• Curing:

Surfaces are usable in 12hours for light loading. Completely cured and usable for full loading against chemicals after 6 days (+20°C).

PRACTICAL GUIDANCE

RepaCpat FX primer is an adhesion primer with excellent corrosion protection. It is applied by brush, sponge or air-assist-spraying.

Repacoat FX FL / P can be applied after 4 to 6 hours, according to the temperature and humidity.



RepaCoat FX	RepaCoat FX DG P #0373	RepaCoat FX DG FL #1225
Pot life (+20°C) [Min]	~ 10	~ 10
demoldable (80% final strength) (+20°C) [h]	12	12
Final strength (100% chemical resistance) (+20°C) [h]	6	6
E-Modulus DIN 53457 [N/mm ²]	200 – 350	300 – 350
breaking elongation DIN 53 455 [%]	400 – 500	500 – 600
breaking elongation DIN 53 455 [%]	38	40
linearer shrinkage (250x40x20mm) after 6 days (+20°C) [%]	0,1	0,1
temperature resistance long-term [°C]	-30 bis +90	-30 bis +90
temperature resistance - short-term [°C]	+160	+160
hardness [Shore A]	85	80
initial viscosity [m. Pas]	Thixotrop	2500 – 4000
Mixing ratio (base : reactor) bei weight [g]	100:30	100:30
colour	black	black

All material values are average values and vary due to mixing ratio, material quantity and environmental conditions. The mentioned material values are based on normal conditions (STP) of 20°C (273K / 31, 73°F) and 1013mbar (1013hPa).



SAFETY

Read the appropriate safety data sheet before using the product and proceed accordingly. For questions, our service technicians are always available.

WARRANTY

DIAMANT guarantees the product characteristics listed here if the material is stored and properly. DIAMANT is not responsible for processing and handling of the material.

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