



PRODUCT DATASHEET

APT Epoxy 100

High Strength 2-Component Epoxy Putty Adhesive

DESCRIPTION

APT Epoxy 100 is a solvent-free, thixotropic, 2-component adhesive and repair mortar, based on a combination of epoxy resins and specially selected high strength fillers. Its pasty consistency allows an easy and versatile application.

STANDARD

Complies with ASTM C881-78 Type I, Grade 3 Class B+C.

ADVANTAGE

APT Epoxy 100 is an extremely practical product that offers many advantages to the user:

- Easy to apply
- Suitable for both, dry and damp surfaces
- Non-sag product, even at high temperatures
- Hardens without shrinkage
- Excellent adhesion to concrete and many other materials
- High early strength
- Components of different colours (Mixing control)
- High abrasion resistance
- Solvent free

USES

APT Epoxy 100 can be used for

- Thin film bonding
- Concrete repairs
- Blow hole filling
- Crack and surface sealing
- Rebar anchoring



INSTRUCTIONS FOR USE

Surface preparation

All surfaces must be clean, free from standing water and all loosely adhering particles.
Cement laitance must be removed.

Priming

Primer is not required.

Mixing

Mix both components together for at least 2 minutes with a mixing paddle attached to a slow speed electric drill (max. 600 rpm) until the material becomes smooth in consistency and an even grey colour of the mixture is obtained.

Application

When using as a thin film adhesive, apply the mixed adhesive to the surfaces with a trowel, spatula or by glove-protected hand. When applying as a repair mortar, take into account any formwork that may be required. Max. thickness in one layer is 30 mm. On vertical.

Surfaces it is non-sag up to 10 mm thickness. On damp surfaces, ensure that the material is well rubbed in.

Cleaning

Clean all tools and equipment immediately after use with thinner.

Important Recommendation

Optimal working temperatures for **APT Epoxy 100** :
Normal Type 10°C – 30°C

When working at a higher temperature than recommended, the pot life will be shortened. Similarly, when working at lower temperatures, the material will become more difficult to apply and it will take longer to harden.



TECHNICAL DATA

Colour	Grey (component. A white, component. B black)												
Storage Condition	Normal Type above + 5°C, max. +30°C, dry.												
Shelf Life	12 months when unopened and correctly												
Mixing Ratio	Comp. A:B = 2:1 Normal (parts by weight and volume)												
Density	~1.7 Kg/Ltr												
Pot Life	According to temperature and grade as follows : <table border="1"> <thead> <tr> <th>Temp. °C</th> <th>2 kg Normal</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>-</td> </tr> <tr> <td>30</td> <td>20 min</td> </tr> <tr> <td>20</td> <td>40 min</td> </tr> <tr> <td>10</td> <td>1.5 hrs</td> </tr> <tr> <td>5</td> <td>3.5 hrs</td> </tr> </tbody> </table>	Temp. °C	2 kg Normal	40	-	30	20 min	20	40 min	10	1.5 hrs	5	3.5 hrs
Temp. °C	2 kg Normal												
40	-												
30	20 min												
20	40 min												
10	1.5 hrs												
5	3.5 hrs												
Compressive Strength	Normal type : 65 N/mm ²												
Flexural Strength	30 N/mm ²												
Tensile Strength	20 N/mm ²												
Bond Strength to Concrete	3.5 N/mm ² Concrete failure												
Bond Strength to Steel	20 N/mm ²												
Young's Modulus	8,500 N/mm ² (values taken at 20°C, 65% R.H., 10 days)												
Packaging	Normal 2 kg (A+B)												



Yangon | Mandalay | Taunggyi | Nay Pyi Taw | Mawlamyine

www.AungPyitan.com

Email: AungPyitan@AungPyitan.com

+95 9 881 881 421

Aung Pyitan HQ

54A, Thirimingalar 2ND Street, 8TH Quarter, Kamayut Township,
Yangon, Myanmar.

