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# ARDEX AF 545

## Heavy Duty Epoxy Adhesive

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Ultimate Bond Strength - Long term performance and reliability

Water resistant - Suitable in wet operating conditions

Heavy duty grab - Installs difficult coverings

Soft consistency - Easy to mix, trowel and use

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# ARDEX AF 545

## Heavy Duty Epoxy Adhesive

### SPECIAL PROPERTIES

- Ultimate bond strength and dimensional stability
- Resistant to heaving rolling loads
- Works at low temperature
- 100% Solids
- Low odour
- Versatile – bonds to many substrates
- Moisture and alkali resistant

### PRODUCT DESCRIPTION

Two part multi purpose epoxy flooring adhesive.

### APPLICATION

Internal and external permanent installation.

### FLOOR COVERINGS

- Vinyl composition tile (VCT)
- Commercial homogeneous sheet vinyl
- Linoleum
- Rubber tile / Most recycled rubber
- Rubber and vinyl stair treads

### IN THE ARDEX SYSTEM

To ensure enhanced performance, reliability and warranty always use ARDEX adhesives within SYSTEMARDEX. Other SYSTEMARDEX products include:

- ARDEX Moisture Barrier
- ARDEX Concrete Sealer
- ARDEX Substrate Primers
- ARDEX Self Levelling and Smoothing Compounds
- ARDEX Finishing Compounds
- ARDEX External Levelling Compounds

### SURFACE PREPARATION

All substrates must comply with AS1884. In particular, it must be level, protected from moisture, firm, load-bearing, free from curing compounds, cracks and also have a high tensile and compressive strength and must be prepared accordingly.

### SUBSTRATE BONDING GUIDE

- Hardboard underlayment board approved to AS 2458
- Carpet pad underlay
- Cementitious underlayment
- Dry concrete where there is less than 5.5% moisture content or 70% RH

Contact ARDEX Technical Services for other substrates including terrazzo, ceramic tiles and metal substrates.

### DIRECTIONS FOR USE

Refer to floor covering manufacturer's instructions.

Condition adhesive and floor coverings to working area temperature 24 hours prior to and 48 hours after installation. Installation temperature of working area and substrate to be a minimum of 10°C and a minimum 30°C.

Add one part Part A into one part Part B (1A:1B) by volume. Mix thoroughly till homogenous in colour and texture. Once mixed the adhesive is ready for immediate use.

Trowel evenly onto substrate avoiding concentrations of adhesive. Install covering immediately into wet adhesive. Cut, fit, position and roll covering within 60 minutes.

### SPECIAL INSTALLATION INSTRUCTION

Many recycled rubber contain chemicals that may inhibit bond integrity. If the composition of the recycled rubber is unclear conduct a bond test.

Lightly sand rubber stair treads and clean with white spirits and allow to dry before applying adhesive.

**NOTE:** Do not reuse container. Dispose of container and adhesive residue in accordance with Federal, State and Local waste disposal regulations. Do not flush adhesive down drains.

### SAFETY PRECAUTIONS

#### KEEP OUT OF REACH OF CHILDREN.

**CAUTION: IRRITANT.** Avoid eye and skin contact. If eye contact occurs, flush with water for 15 minutes and call physician. Wash skin thoroughly with soap and water. Do not take internally. If swallowed, do not induce vomiting. Call physician immediately. Keep container closed.

During the installation process, adequate ventilation of the work area should be maintained without causing the entry of contaminants to other parts of building.

Material safety datasheets available upon request, available from the ARDEX website [www.ardex.com](http://www.ardex.com) or from point of sale.

### TECHNICAL PROPERTIES

**Colour:** Part A - Off white  
Part B - Light Brown

**Priming:** If required prime porous substrate with ARDEX P51

**Coverage:** Using a 0.8 x 1.6 x 2.0mm U-notch trowel approx 6m<sup>2</sup>/L



**Setup Time:** Wet set for immediate use

**Working Time:** 60 minutes varying on substrate, temperature and humidity

**Site Variability:** Site conditions including porosity, temperature and humidity will alter coverage, tack and working time

**Packaging:** Kit containing 2.5kg Part A and 2.0kg Part B

**Removal:**  
**Wet** Clean with warm soapy water  
**Dry** Clean with mineral spirits carefully following warnings on container.

**Shelf Life:** One year from date of manufacture in unopened container stored at 23°C with less than 50% RH

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