

ronkeratinized stratified squamous 5-10 cell layers
epithelium

PAS-positive
basement membrane
gets thicker in anterior basement dystrophy
not true basement membrane
acellular
irregularly arranged collagen fibrils
does not regenerate after injury fibroconnective scar tissue

80% of corneal thickness
keratocytes
stroma
collagen lamellae regularly arranged
proteoglycan ground substance
deposition starts during fetal development continues throughout adulthood
descemet membrane
type IV collagen
PAS-positive
single layer
hexagonal
number of cells decreases with age
does not regenerate

Figure 6-1 (© 2020 American Academy of Ophthalmology)

5-10% of corneal thickness